

What Defines a Parent?

A Corpus Study of the Shift in Meaning of the Word *Parent* in American English during the 19th and 20th Centuries

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Abstract

This essay examines how the sense of the word *parent* has developed and possibly changed during the 19th and 20th centuries. The hypothesis is that *father* was the most common meaning in the early 1800s and that by the end of the 20th century it had changed into having a more general sense, denoting all caregivers of a child. The research has been performed as a corpus study, looking at and analyzing corpus data in the Corpus of Historical American English (COHA) from three different decades – the 1820s, the 1900s, and the 1990s. The word *parent* was analyzed in 100 samples from each of the three decades by studying the expanded contexts of the word in COHA, and categorizing the perceived meaning into one of seven definitions. The results show that *father* was the most common sense in the 1820s, while *origin* was the most frequent meaning in the 1900s. Last but not least, in the samples from the 1990s, *either* as sense had the highest frequency. Occurrences are analyzed both by decade and by source type. The results indicate that one should be mindful about making assumptions about meaning based only on knowledge of the sense as used in current discourse. Any text should be read and understood in context while taking historical circumstances into account. The definition of *parent* has changed, both in dictionaries and in the public mind, and there are signals that changes in the legal definition of *parent* are also to be expected.

Keywords

Parent, Corpus Linguistics, Corpus Studies, the Corpus of Historical American English, COHA, Semantic Change.

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1. Introduction

We all have a relation to the word *parent*, in one way or another. We all know what it means and use it frequently. But do we really know what it means? Does the fact that *parent* is a common-knowledge word also mean that we all think of the same entity when we talk about a *parent*, and that we can take for granted that my sense of the word is the same as yours, in discourse? Is it also safe and correct to presume that my understanding of the word, in modern-day, 21st century society, is the same as that of someone who lived 200 years ago in a world that was much unlike our own? When I read books, articles or other material that is much older than myself, can I again assume that my understanding of *parent* is the same as the author intended?

This essay investigates how the sense of the word *parent* in American English has manifested itself over the last two centuries; from the days of early industrialization to the beginning of the internet era. The Corpus of Historical American English (COHA) comprises historical data from fiction and non-fiction books, newspapers, and magazines from 1810 to 2009. By examining data from COHA, it should be possible to see if, and in that case how, the sense of the word *parent* has developed diachronically.

The research will strive to answer the following questions:

- Has there been a shift in the sense of the word *parent* between the 1820s, the 1900s, and the 1990s, and if so, how?
- What meanings has the word carried during the above-mentioned decades, and which meanings have been most prevalent?

The first part of my hypothesis is that in the early 19th century, *parent* was mainly used to describe the head of the family, the father, and *father* was the default meaning of *parent*. Secondly, my hypothesis is that this default meaning had changed by the end of the 20th century, and the main sense of *parent* is now ‘anyone who is the designated caregiver to a child’. In addition to these generally understood and perhaps most widely used senses, there are other meanings of *parent*, relating to the scientific and corporate worlds.

2. Background

2.1 About corpus-based studies

Using corpora to study language is to have at one’s hands powerful tools for analyzing collections of texts by many different authors from a variety of sources. Having access to and using a large number of texts from various sources make it possible to design corpora that are representative of a language overall. Corpus studies through the use of

computers facilitate analyses that are more complete and more reliable than when done by hand by a human reader (Biber, Conrad, & Reppen, 1998).

With the help of corpora, research can be done without the naturally occurring selection bias of the human mind. As Biber et al. (1998) point out, there is always the risk that humans notice unusual occurrences more than typical occurrences, perhaps giving undue weight to that which stands out from the ordinary. When the concordancing program for the corpus counts occurrences, it is impartial. In addition to this, it is almost humanly impossible to analyze the amount of words available in a corpus – they often run in the millions. This is not a problem for the computer.

It is established that corpus studies can be used to investigate, among many other things, how language has changed over time. Since corpora consist of naturally occurring texts, we look at language actually used. Lindquist (2009) argues that corpus linguistics is frequently associated with a certain outlook on language. At the center of this outlook is that the rules of language are based on usage and changes occur when speakers communicate with each other using language.

Last but not least, corpus-based analyses must go beyond counting and reporting linguistic features. To once again quote Biber et al. (1998, p. 5), “the goal of corpus-based investigations is not simply to report quantitative findings, but to explore the importance of these findings for learning about the patterns of language use.”

While corpus studies make it possible to analyze large amounts of written texts, we should bear in mind that what was chosen for inclusion in the corpus was still decided by a human mind, and there is no guarantee that the data available is a complete representation of all texts available for a certain time period or source type. In COHA all source texts are from fictional books, non-fictional books, magazines and newspapers. Transcripts of spoken language are completely absent when working with the historical data in COHA, which means that texts representing those who did not produce written language are largely missing. Who these groups are varies over time, but in the case of COHA and texts at least from the first half of the 19th century it is assumed – without giving further evidence to this assumption – that the voices of people without monetary means, including women, children, and all persons of color, are fairly limited.

2.2 Dictionary definitions of *parent*

Parent as a noun is known since the 15th century – first in the sense ‘one that begets or brings forth offspring’ – and as a verb since 1663 (Merriam-Webster.com, 2019). Its origin comes from the Latin *parens, parentis* (parent, ancestor).

Below are definitions of *parent* taken from four dictionaries: one from the year 1800, one from 1890, one from 1953, and finally one from 1993.

Textbox 2.1. Definition of *parent* in *The royal standard English dictionary* (1800)

<i>parent</i> (s) a father or mother

Textbox 2.2. Definition of *parent* in *The Century Dictionary of the English Language* (1890)

parent (*n. and a.*) **I. n.** 1. A father or mother, one who has generated or produced: correlated to child, offspring, descendant.
2. By extension, any animal in relation to its offspring, or a plant in relation to other plants produced from it; any organism in relation to the individual organisms which it produces by any process of reproduction.
3. One who or that which produces; an author; a cause; a source.
4. (obsolete) A kinsman; relative.
II. a. Serving as or pertaining to a parent or source.

Textbox 2.3. Definition of *parent* in the *New "Standard" Dictionary of the English Language* (1953)

parent (*a.*): Having the relation of a parent, or a father or mother; similar or analogous to a parent; generating or fostering, as a result; as, a *parent* country; a *parent* thought or act.
parent (*n.*): **1.** One who has generated a child; a father or a mother.
In law, the relation incident to the contract of marriage, and carrying with it the duty of supporting the children of such marriage; custody of the child belongs to the father until majority is reached unless the court decides otherwise; if the father dies without leaving a testamentary guardian the mother becomes guardian until the child attains the age of 14 years; in strict law an illegitimate child has no parents. In England, the Prevention of Cruelty to Children acts of 1904 and 1908 extends the term parent to include grandparents and step-parents of both sexes, a presumption founded on Lord Campbell's act of 1843.
2. Any organism considered in relation to other organisms produced by it through a generative process.
3. The author or producer of anything; cause; occasion; as, intemperance is the *parent* of many evils. **4. Physics.** In the theory of radioactivity, an element which gives rise to another element. **5. (obsolete)** A kinsman.

Textbox 2.4. Definition of *parent* in *Merriam-Webster's Collegiate Dictionary* (10th edition - 1993)

parent *n*
1a: one that begets or brings forth offspring
b: a person who brings up and cares for another
2a: an animal or plant that is regarded in relation to its offspring
b: the material or source from which something is derived
c: a group from which another arises and to which it usu. remains subsidiary (a ~ company)

parent *vt* : to be or act as the parent of: ORIGINATE, PRODUCE

Merriam-Webster's Collegiate Dictionary can be considered the leading and most widely-used dictionary for American English. Since this essay studies specifically that variant of English, the Merriam-Webster would be the dictionary to compare modern-day use of American English with. The definition of *parent* in the printed version, quoted in Textbox 4 above, is identical to the *Merriam-Webster online dictionary*, which indicates that the definition has not been changed or updated since 1993.

The Oxford English Dictionary (OED) has also been taken into consideration, it being regarded as a standard dictionary of the English language in general, used for referencing the language regardless of location in the world. As can be seen in Textbox 2.5 below, these two major dictionaries do not differ in the definition of *parent* in any substantial way.

Textbox 2.5. Definition of *parent* in the *Oxford English Dictionary* (OED) (2005) [abbreviated]

Origin: Of multiple origins. Partly a borrowing from French. Partly a borrowing from Latin. *Etymons:* French *parent*; Latin *parent-*, *parēns*.

1.
 - a. A person who is one of the progenitors of a child; a father or mother. Also, in extended use: a woman or man who takes on parental responsibilities towards a child, e.g. a stepmother, an adoptive father.
 - b. A forefather, an ancestor. Esp. in *our first parents*: Adam and Eve.
 - c. A person who has the position or role of a parent; one who exercises the functions of a parent; a protector, guardian. Formerly also occasionally: †a father- or mother-in-law (*obsolete*).
 - d. An animal or plant considered in relation to its offspring.
2. A relative; a kinsman or kinswoman. (*Obsolete*.)
3. That from which something springs or is derived; a source, cause, origin. Usually of things; less commonly of persons, in relation to their 'productions'.
4. *Nuclear Physics*. A nuclide that becomes transformed into another (daughter) nuclide by radioactive decay.
5. *parent company* *n*. *Commercial Law* a company or organization which owns or controls a number of subsidiary companies or organizations.
6. *Computing*. In a tree or other hierarchical structure: a node which is immediately superordinate to another node.

2.3 On polysemy and semantic change

Parent is polysemous word, having multiple senses that are somehow related to each other. As we can see above in section 2.2, the dictionary definition of *parent* has remained fairly constant throughout the 19th and 20th centuries, even if the definitions have become extended over the two centuries, from the original meaning of *parent*. Lewis writes about this phenomenon, that when a word has several meanings, historical circumstances often make one of them dominant during a particular period (1960, p. 12). He continues: "The dominant sense of any word lies uppermost in our minds. Wherever we meet the word, our natural impulse will be to give it that sense" (p. 13). Ullmann also touches on the polysemy phenomenon, and argues that it introduces an

element of flexibility into language. “There is nothing final about semantic change: a word may acquire a new sense, or scores of new senses, without losing its original meaning” (1962, p. 195).

While the denotation of the word may be the same for all interlocutors, and is possible to find in a dictionary, the connotation of said word can be different between speaker and hearer; between the producer of a text and the one reading it. It may also differ between different readers looking at the same text. Ullman mentions Aristotle as having been highly critical of polysemy (p. 167), quoting him as saying that ‘words of ambiguous meaning are chiefly useful to enable the sophist to mislead his hearers.’ On this statement, Ullman reflects: “far from being a defect of language, polysemy is an essential condition of its efficiency. ... Polysemy is an invaluable factor of economy and flexibility in language; what is astonishing is not that the machine occasionally breaks down, but that it breaks down so rarely” (p. 168).

From this we understand that it is not uncommon that words have different meanings – they are polysemous – and that meaning can also change and evolve over time. However, even if the meaning changes, most of the time we have no problem understanding what that meaning is.

This being said, it is also clear that word meaning does not change uncontrollably, but rather through evolution of the word usage. And even if the current meaning has become radically different from the original usage, the new meaning usually builds on the previous to some extent.

No matter what causes bring about the change, there must always be some connexion [sic], some *association*, between the old meaning and the new. In some cases the association may be powerful enough to alter the meaning by itself; in others it will merely provide a vehicle for a change determined by other causes; but in one form or another, some kind of association will always underlie the process. In this sense association may be regarded as a necessary condition, a *sine qua non* of semantic change. (Ullmann, p. 211)

The association for a word may vary depending on the context on where it is used, and it is possible that the association made by a hearer/reader is different than that intended by the speaker/writer. This is particularly true where the context is ambiguous, and where a particular word can be understood in two – or more – different senses while the meaning of the utterance as a whole remains unaffected, a semantic change may have arisen (Ullman, 1962, p. 195).

2.4 Meaning and context

Words need context to take on a meaning, and as such their meaning is likely to change when the context changes. Ullman writes that no matter if a word is precise and unambiguous, it will derive from the context a certain determinateness which can arise only in specific utterances (1962, p. 52). Riemer explains this as follows: “For the purposes of deciding what a piece of language means, no utterance can be considered as a self-standing whole: words only exist within particular contexts, and we will not be

able to achieve an adequate description of meaning if we don't take these contexts into account" (2010, p. 88).

Reflecting on context when studying written text means taking into consideration several factors: the year the text was written, what type of publication it was written for, what the intended audience was, and also age and gender of the author. All these parameters influence the context – it could even be said that they constitute the context.

2.5 Interpreting meaning

One can argue that it is impossible for anyone but the producer of an utterance to decide on the intended meaning of a word; we will never be able to go inside somebody's mind and know what their intention was in saying or writing anything. While this is true, we must remember that just as beauty lies in the eyes of the beholder, the understanding of information is decided by the hearer, or in this case of this study, the reader. Riemer puts this very eloquently when he writes: "On the locutionary side, it is by making inferences about the speaker's intentions that the hearer selects the relevant aspects of the encyclopaedic knowledge called up by a linguistic expression: the encyclopaedic information relevant to the interpretation of an utterance is the information which the speaker *intended* to convey, and the hearer must decide which of the potentially infinite elements of encyclopaedic knowledge the speaker had in mind" (2010, pp. 114-115). This statement provides strong support for making decisions on meaning based on one's own interpretation and understanding, and corroborates my approach in categorizing the samples from COHA.

3. Data and Method

COHA is a collection of texts ranging from 1810 to 2009, comprising texts from fictional books, non-fiction books, magazines and newspapers. The fact that there is data from two centuries in COHA makes it well suited to studying words and their use over a long period of time.

In order to investigate the development of the meaning of *parent*, I decided to look at three different decades out of the 20 available in COHA. Three decades were chosen to keep the amount of data to study and analyze at a reasonable size. To make the distribution fairly even, I have chosen the decades beginning in 1820, 1900 and 1990.

3.1 The searches done in COHA

The information available in COHA, as in most corpora, is vast and deep. Searches have to be set up in a way that provides the data in a format suitable for the analysis one wants to make.

3.1.1 Instances per decade

Using the COHA concordancing interface, I elected to have data sorted in Charts and to see frequency by section – section in this case means per decade. As it turned out, the decade denoted as 1820 has 448 instances, 1900 has 302 and 1990 has 1,019. It would also be possible to study each year in each decade, but this level of detail was deemed not to be of value to this research. Studying each section – i.e. each decade chosen – then gives a list of contexts for all instances where *parent* occurs, including publication year, source type, and name of publication. From this list it is also possible to study an extended context for each instance.

The list of occurrences of *parent* in COHA divided per decade can be found in Appendix A.

3.1.2 Instances per source type

Another search made using the concordancing interface was to look at the data sorted per source type per decade. The search is done using the List function in the interface, choosing to match on source type Sections. This gave me the absolute and relative frequencies of *parent*, but not much more to work with.

What was more relevant for this study was to see how often each meaning of *parent* occurred per source type, and if there was a change over time. To find this information, I realized I had to look at the samples once categorized. This was achieved by sorting and counting the instances using an Excel sheet. The complete results of this search can be found in Appendix B.

3.2 Operationalizing the sample data

To be able to analyze the data from COHA, I needed to operationalize the data found – define it so it is measurable – in some way. Since my hypothesis is that there has been a change in meaning in the word *parent*, deciding on the various intended meanings of the word in different context was of course crucial.

To keep the analysis manageable but still large enough to be relevant, I let the COHA interface pick out 100 samples in each decade for in-depth analysis. This random choice of samples done by the COHA software should help me avoid a bias in choosing samples and ensure an even distribution from the full population of instances.

While the random samples should provide a good representation of the full population in the corpus, it should be noted that there may be false negatives that for some reason did not show up in the original search for *parent*, and thus were not included as a basis for sampling. In general, reasons for such exclusion can be errors in spelling (e.g. *parrent* has six occurrences in COHA, three of which are from the same novel from 1871 and three show up as a proper name (*Parrent*) in the New York Times from 1985), or in how the word is represented in COHA, e.g. by hyphenating as *par-ent*.

As can be seen in section 3.5 below, some false positives were found in the random samples, and excluded from the data analysis.

3.3 Categorizing *parent* in the samples

When the COHA interface had picked out the 100 random samples in each of the decades chosen, I copied those samples to an Excel sheet. The data in this Excel sheet has been saved to Appendix C. Each sample was then identified among the full population of the decade in question. By expanding the Context field in COHA (to Context +) one is provided with five or six lines of text, with the search word (*parent* in this case) approximately in the middle, and highlighted. By reading this extended context in which *parent* appears, I identified the most likely intended meaning of the word as it was used in that particular setting (for more detail, see section 3.4 below). Taking all three decades together, seven different meaning categories were identified, as shown in Table 3.1.

Table 3.1. Meaning categories for *parent* and their definition

<i>Category</i>	<i>Meaning defined as</i>
Father	Male <i>parent</i> (or <i>grandparent</i>)
Mother	Female <i>parent</i>
Either	No discernment between male and female <i>parent</i> is made, or it is not possible to distinguish whether male or female <i>parent</i> is intended
Origin	The <i>parent</i> is the origin of something – used in a scientific sense
Organizational	<i>Parent</i> company or another type of <i>parent</i> organization
Country	<i>Parent</i> country or state
God	The Heavenly <i>Parent</i>

These definitions to a large degree correspond to the meanings of *parent* as defined in dictionaries across the centuries, as can be seen in the listings from different dictionaries in section 2.2 above.

Deciding on a category without ‘overthinking’ the task, or constructing a hidden meaning when there was none, proved to be a challenge. On the other end of the scale, I had to watch myself and not categorize a sample too quickly. Doing no more than twenty samples at a time was an attempt to mitigate these risks.

It should be noted that in none of the 300 random samples chosen for me by the COHA concordancing interface could the word *parent* be interpreted as a verb – all contexts showed it as a noun or an adjective.

3.4 Categorization of meaning

When analyzing the data and looking through the samples from COHA, I had decided to not have a pre-defined list of meanings that I would match every context to, even if the dictionary meanings were clear to me before starting the process. Instead I looked at each context where *parent* appeared in its own right, and decided the meaning based on

that. It did not take very long before I had a limited set of categories into which all the context meanings fit, as described in section 3.3 above.

Even if most samples were uncomplicated to categorize, some of them required additional consideration. Most of these were eventually categorized as *either*. As described in Table 3.1 above, *either* was chosen when ‘no discernment between male and female *parent* is made, or it is not possible to distinguish whether male or female *parent* is intended’. This means there is a certain ambiguity to *either* – as one could perhaps expect. Reading *parent* in contexts from the 1820s, it was sometimes clear that had one read a more extended context than what is available in COHA, it could have been determined without doubt whether *father* or *mother* was intended, but since such an extended context is not possible to investigate within the scope of this essay, *either* was chosen as intended meaning. It happened that I leaned toward choosing *father* as intended meaning but I could not really find anything in the text supporting this choice, which meant the decision was pointed to *either*. An example of such a context can be found in section 3.6 below (example 8).

3.5 Samples excluded from the analysis

For the analysis, 100 samples were randomly picked from the three respective time periods. During the analysis it became evident that in some cases not all samples could be used in a productive way. Such samples were excluded from categorization, and not replaced by others.

In one instance (from the 1820s) *parent* occurred due to a misspelling, or rather due to hyphenation. Sample 88 from 1823: “commiseration of the supposed disastrous lot of the natives is in nothing more ap. - **parent**, than in the suggestions made for the benefit of the savage tribes, which”. This sample has been excluded from the total, which means only 99 samples from the 1820s were analyzed.

From the 1900s samples, during the analysis it turned out that two of the samples (no 53 and no 97) chosen by the COHA interface were duplicates of two other samples – they were from the same text and in the same context, with *parent* occurring several times within the text section. In order not to skew the results, these two samples were also excluded from the totals, leading to 98 samples from the 1900s used for analysis.

A similar situation occurred for the samples from the 1990s, where two duplicates were found (samples no 61 and no 84) in the same manner as for the extracts from the 1900s. In addition to this, in one instance (sample no 12) *Parent* appeared as a family (last) name of someone in the text, and I decided to also leave this sample out of the analysis. Hence, for the 1990s I was left with only 97 samples for my analysis.

All samples are listed and numbered, per decade, in Appendix C.

3.6 Examples of tokens categorized

Working with the categorization I soon realized that many of the samples from COHA were very easy to categorize – when reading the context, the sense of *parent* was immediately apparent to me. In the following excerpt, *parent* clearly refers to *father*:

1) Sample 16 from 1902: *Father*

" Father, don't you know me? " " Dick! " came the almost inaudible reply. " Where -- where am I? " " You are safe, father. You fell into the river and came near to drowning. " " Is that so? I did not know there was a river near here. " Mr. Arbuckle was silent for several minutes, during which Dick continued his work and made him as comfortable as possible by wrapping his **parent** in his own dry coat. " Where is that rascal? " " What rascal, father? " " The man with the red mask -- the fellow who struck me down? " " I do not know. So you were struck down? Where? " " Just outside of the boomers' camp. Somebody brought me word that Pawnee Brown wanted to see me privately. I went, and a rascal rushed on me and demanded my private papers. I resisted and he struck me down.

Similarly, in the few instances (three in total) where it could be determined that *parent* refers to *God*, there was no doubt about the categorization:

2) Sample 16 from 1829: *God*

A promise sealed with the blood of the incarnate Son of God is solemn and inviolable. The obedience of Christ being complete, to the exclusion of every thing human as the /q/ meritorious cause of salvation, the promised blessings will not, can not be withheld from any who answer to the character described. Unchangeable veracity, almighty power, and godlike beneficence, all concur to forbid such an idea. We may even conceive that our Heavenly **Parent** beholds with sacred complacency the hope which he himself has implanted; a hope spring* iog from him as its source, tending towards him as its end, and embracing as its objects those eternal realities which he himself hath taught us to desire. Such th6n is Christian hope; such are its objects and such the immutable basis on which it rests.

While not all samples categorized as *mother* were as unambiguous as the one shown here, this is a good example of the occasional straightforwardness of categorization:

3) Sample 31 from 1909: *Mother*

Look out of the window, mother, and see if you can discover a blaze, please, " directed Bert, as he began to dress. " Yes, I can see a light off in the west. " " That must be it. Did the bell ring long before you called me? " " Only once. I was awake and heard it. Now, do be careful, Herbert. Don't get into danger. " " I'll not, mother, " and, with a kiss for his **parent**, Bert dashed down the stairs, and ran at top speed for Cole's barn. He saw several of his chums in the street, headed in the same direction. CHAPTER X MYSTERIOUS ACTIONS " Where is it? " asked Bert, of Tom Donnell, whom he joined, almost as soon as he came out of the house. " I don't know. I heard the four bells. Old Stickler is ringing yet.

As in the case with *mother* as category above, the eleven samples in total categorized as *country* were mostly unmistakable:

4) Sample 6 from 1900: *Country*

... the whisper passes down from ear to ear, changing from English to Swedish, from Swedish to German, from German to Danish,? a miracle of tongues and interpretation of tongues,? The Mormons. till perchance it comes, harsh and sibilant, through the key hole of your kitchen door to the maid with her hands in the dough. Cr back, up that ladder of listening ears, goes the whisper of the teacher, to be heard in the president's office. The German government is paternal, but an ill **parent** compared with this; Tammany Hall a superb organization, but lax beside Mormonism. The ward heeler, that dread bogymen of city politics;? what now is he? A petty amateur. This Mormon church boasts the grandest ecclesiastical, political, commercial, and industrial machine on earth! Are quarrels brewing? The church will stop them. Is schism afloat? The church will check it. Is wealth to be gained? The church stands behind the counter with Zion's Cooperative Mercantile Institution.

Organizational includes any kind of *parent organization*, where the organization has been named as a company, a corporation, church, or institution:

5) Sample 63 from 1993: *Organizational*

" This new regimen, " they conclude, " is simpler and potentially allows greater privacy than any other abortion method. " In a tough accompanying editorial, the Journal brands efforts to block use of the drug in the U.S. a " disgrace. " # Those political barriers, however, are quickly crumbling. Two days after his Inauguration, President Clinton ordered his Administration to " promote the testing, licensing and manufacturing " of RU 486. Until then, the French manufacturer of the drug, Roussel Uclaf, and its German **parent** company, Hoechst AG, had steadfastly shied away from becoming involved in the American market for fear of infuriating antiabortion activists. But in April, at the instigation of the U.S. Food and Drug Administration, Roussel announced a compromise: it agreed to license RU 486 to the U.S. Population Council, a nonprofit organization based in New York City, which in turn would run clinical tests. # As a result, the abortion pill could become available through a testing program later this year.

While the examples above show the relative simplicity of deciding on a category, *origin* was mostly unambiguous, but sometimes took an extra reading to separate it from *either* (i.e. either *mother* or *father*). When the context indicates something having to do with (natural) science, *origin* was chosen as meaning:

6) Sample 84 from 1906: *Origin*

All day long she sat on the twig or the edge of the nest, and we knew that flying-time was at hand, and promptly posted ourselves near by to observe. When her patience was almost worn out, one little bird struggled out of the nest and up on to the vine, then a second and a third A flutter of wings, a fitful stirring, A little piping of lea? bid birds, truly,? and guiding them, guarding them, cheering them on, the **parent** birds hung about the young adventurers. At nightfall they were yet in the vines, but in the morning all were gone but one, and as I picked him from the leafy covert, with kindest intent to show him the way to his " mammy, " that " mammy " swooped down upon me from goodness knows where. for I had not suspected her being in the neighborhood, and showed me so unmistakably that she could take care of her own family, ...

In other cases, as discussed in section 3.4 above, the intended meaning of *parent* in context was not entirely clear, even though there was no doubt that the *parent* was human. In these cases, *either* was chosen as category. Had additional and extended context been available for the following example, it may very well have shown that the meaning should be *father*, given that the other referents in the comparative listing ('master', 'husband', 'inmate', 'wretch') clearly refer to a male person. Since this extended context was not available, I settled for *either* as category:

7) Sample 20 from 1827: *Either*

There have been formed societies to suppress vice; they will persecute the poor wretch who steals for his bread, and yet the very root of crime is maintained, the abode of sharpers, dissipation and ruin; for there is an enchantment about the theatre -- beauty that is to be bought, and riot that can be pursued; the apprentice will rob his master, the child his **parent**; the husband hath taken the labour of the day to gain him admission, while at home his family are wanting food; a few years beholds the first an inmate of a prison; the second a poor lost wretch, discarded from his home, and begging for money to obtain liquor, that all reflection may be drowned in its overwhelming influence; the last the pander of some brothel, while the sod covers the broken heart of his wife, ...

Then again, some samples would require several examinations, including reading out loud, before falling into their most appropriate category. In some cases, I went back and re-categorized a sample, having been unable to decide up front on the, in my view, optimal meaning category. One such example is the following (it can also be found in Appendix D as one of five tokens with ambiguous meanings):

8) Sample 57 from 1999: *Either* → *Father*

LIKE FATHER, LIKE SON Each year 250,000 adults succumb to sudden cardiac death. Now French researchers say the condition is probably hereditary. They followed 7,000 middle-aged men for 23 years and found that those with a **parent** who died of sudden cardiac arrest were nearly twice as likely to die of it -- and at about the same age -- as those whose parents died of other causes.

When first reading and categorizing *parent* in this excerpt, I decided that the meaning should be *either* – I thought it not possible to discern whether a male or female *parent* was referred to. However, since I was not completely satisfied with my decision, I made a note of it and decided to go back. When inspecting it a second time, I decided to change the meaning to *father*, based on the context including the title-like wording at the beginning of the excerpt. Similar re-categorizations were done for the other samples listed in Appendix D, and also for some samples categorized as *animal-related* in the first round; those were later changed to *origin*, widening the *origin* category to anything scientifically related. I sized down from eleven different categories to my final seven, having joined *grandfather* with *father*, *animal-related* with *origin*, and eliminated the doubly ambiguous *mother/either* and *father/either* to one of *mother*, *father* and *either*.

3.7 Validity of the categorizations

It could be argued that the reliability of my method and hence the validity of my results depends on whether other researchers looking at samples from COHA containing *parent* in context would categorize their meaning in the same way I have. Is the method I have used sufficiently clear that the same input would give the same results every time?

The total number of samples I have categorized is 294: 99 from the 1820s, 98 from the 1900s, and 97 from the 1990s. To test the validity of my own categorizations I decided to ask for a second opinion on the categorization of a limited number of samples. Are the criteria for categorizing meaning sufficiently clear that anyone counting would get the same, or at least a similar, result?

To achieve the information requested, but still limit the effort for those providing a second opinion, ten samples were picked from each of the three decades, and the full context available in COHA for those samples was provided. Using a random number generator found online (<https://stattrek.com/statistics/random-number-generator.aspx>) to decide which samples from each decade to use, the following numbers were given:

03-16-21-50-54-60-79-80-91-92

All my samples in each decade are numbered (see Appendix C), and the compilation of contexts for all the samples can be found in Appendix E.

I asked four different people to be validators; to check the thirty randomly chosen samples and categorize them, using the same list of meanings I came up with in my categorization work. My validators are two women and two men, ranging in age from 20 to 50, which offers at least some representation across generations. One is a native speaker of American English and a scholar of English literature, lecturing at a university in Oregon, one is a university lecturer of the English language, and the other two are native speakers of Swedish who have had extensive exposure to American English but with no academic credits in the English language. This choice of individuals should provide a sufficient spread in perception of how the language is used in context to give relevant and valuable input to the validity check.

The chosen co-investigators were provided with the list of categories and meanings as given in Table 3.1 (also in Appendix E), which means they were not asked to create their own categories. Each of my four validators reviewed the excerpts from COHA, each containing *parent* in context at least once, the instance to validate marked in bold. The results of their categorization can be found in section 4.4 below.

4. Results

4.1 Distribution of *parent* in COHA

When searching for the word *parent* in COHA, the total number of instances displayed across the whole corpus is 9,176. As mentioned above in 3.1.1, a table showing the division per decade from 1810 to 2000 can be found in Appendix A.

The information from COHA shows that the relative frequency of *parent*, measured as occurrence per million words, is at its highest in the early 19th century, with a peak in 1820, after which incidence declines rather rapidly until the 1930s. Then there is an upswing again, with a high relative frequency in the 1990s – even though it is nowhere close to the numbers for the 1820s.

4.2 Division of tokens per decade and category

After completing the categorization of all samples from the three respective decades, all the instances of each category in a decade were counted. The outcome is shown in Table 4.1 below.

Table 4.1. Number of tokens divided per meaning category and decade

<i>Category \ Year</i>	<i>1820s</i>	<i>1900s</i>	<i>1990s</i>
<i>Father</i>	28	26	7
<i>Country</i>	9	2	0
<i>Origin</i>	10	35	9
<i>Mother</i>	16	11	20
<i>Either</i>	26	20	45
<i>Organizational</i>	7	4	16
<i>God</i>	3	0	0
Total	99	98	97

It is noteworthy that the occurrences for *father* are more or less the same in the 1820s and the 1900s, while the 1990s sees a sharp decline. *Country* and *God* are less and less frequent, while *origin* sees a sharp rise in the 1900s. *Mother* is quite constant across the decades, while *either* more than doubles in the 1990s and it by far the most frequent intended meaning with 45 instances in that decade. *Organizational* reference has a similar size in increase as *either*, but on a smaller scale.

4.3 Distribution of *parent* per source type

COHA provides the researcher with information about which type of source a word is found in. The different source types listed by COHA are Newspaper, Fiction, Non-fiction books, and Magazines. For *parent*, the details per source type is found in Table 4.2 below.

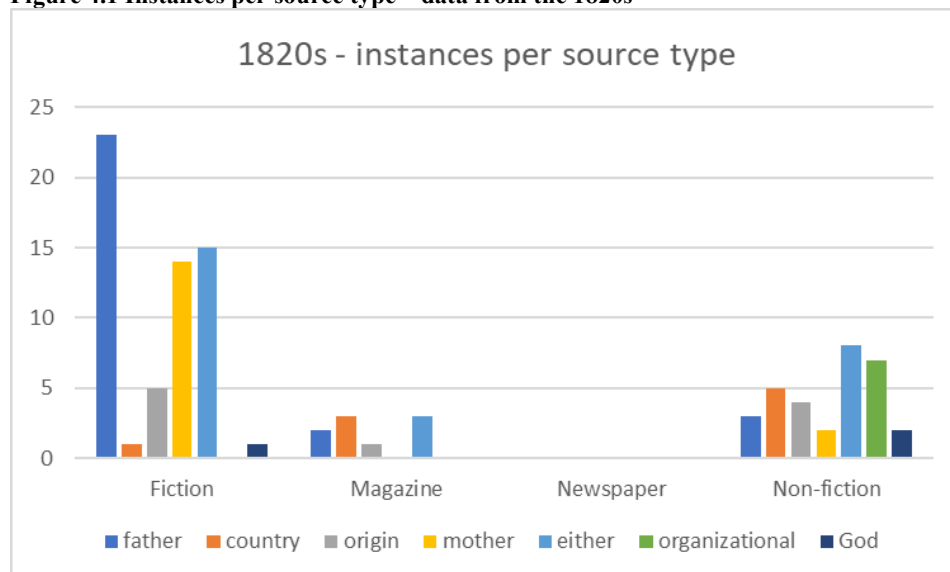
Looking at *parent* in this way, is it clear that the distribution is fairly even across the different source categories in absolute numbers, except for in newspapers; there is no newspaper data in COHA before the 1870s. The fact that Newspaper data is missing for six decades also influences the relative occurrence, measured per million words in total corpus, for that category.

Table 4.2. Distribution of *parent* divided per source type

Source Category	1810-2009	Occurrence per million words in total corpus
Newspapers	985	2.4291
Fiction	3,007	7.4155
Non-fiction books	2,290	5.6473
Magazines	2,894	7.1369
All sources	9,176	22.6289

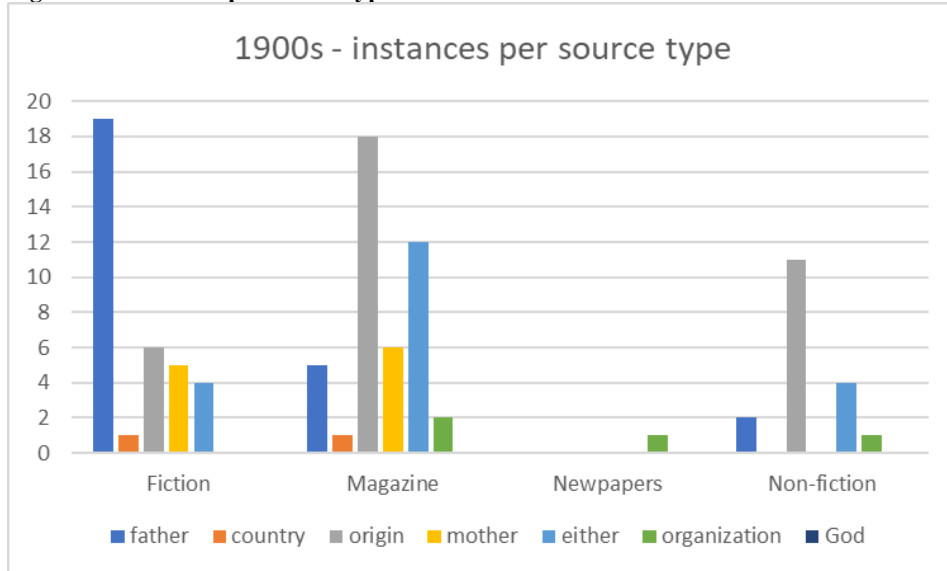
Analyzing the incidences per source type, looking at data from each decade, one can see that the different meanings are more or less frequent in the four source types. To illustrate these differences, I have compiled three charts, one for each decade analyzed. The source data for all charts below is available in Appendix B.

Figure 4.1 Instances per source type – data from the 1820s



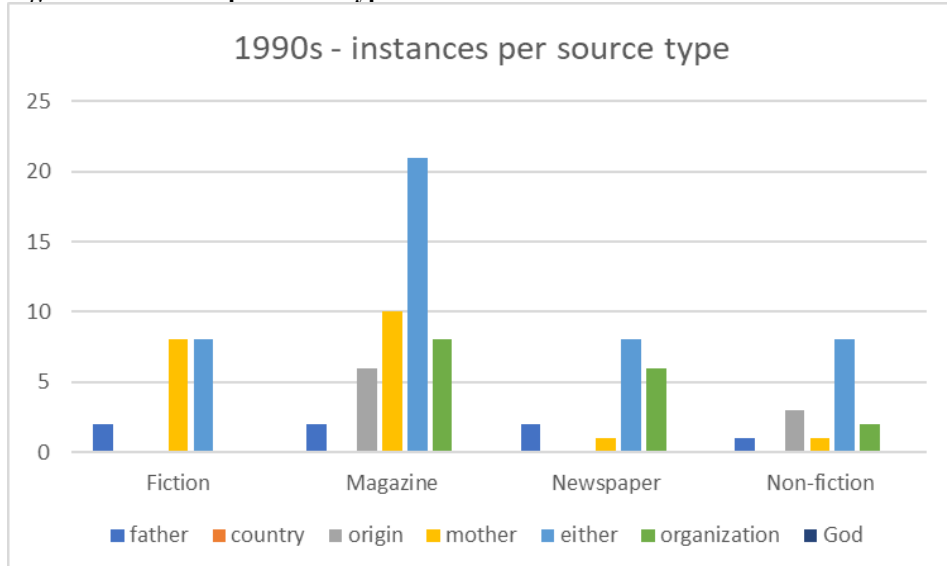
In the 1820s *parent*, regardless of meaning, most frequently occurs in Fiction (59 tokens in total). *Father*, *mother* and *either* as meaning are most frequent in Fiction, and much less so in Magazines and Non-fiction books, where the distribution of meaning is fairly even. *Organizational* appears only in Non-fiction. No Newspaper data is available in COHA for the 1820s.

Figure 4.2 Instances per source type – data from the 1900s



In the 1900s decade, things have changed. Magazines with 44 tokens in total is now the most common source type for *parent* overall, seeing Fiction as runner-up with 35 tokens. *Father* is still most common in Fiction, while *origin* with a total of 35 tokens altogether is most frequent in Magazines and Non-fiction. *Mothers* are only considered in Fiction and Magazines, and *God* not at all. Magazines also seem to favor *either* as meaning, using *parent* in that sense twice as often as *mother* or *father*.

Figure 4.3 Instances per source type – data from the 1990s



Finally, in the 1990s, Magazines is the most frequently-occurring source of *parent*, and we see a substantial decrease in *father* as meaning (7 tokens in total), and a substantial rise in *either* (45 tokens). All source types seem to prefer *either*, while Magazines and Fiction also rely on *mother* to a certain extent. There is also a rise in the *organizational* sense of *parent*.

4.4 Results of second-opinion categorizations

When compiling the responses from my validators it was clear that none of my fellow raters were in complete agreement with my categorizations, for every instance. On the other hand, none were in complete disagreement either.

To calculate the rate of agreement between the five individuals doing the categorization – the author and the four validators – a simplistic Percent Agreement for Multiple Raters method was used (Ducasse, 2019). Such a method does not take into account chance, and it could possibly overestimate the level of agreement. Since this validation is not the main task of the essay, I decided that the method would suffice for the purpose it is serving. The calculations gave me an agreement rate of 80.7%, which can be considered acceptable. In general, a rate of above 75% is satisfactory, according to the *Statistics How To* website. I have interpreted these numbers as showing that the categorizations I have done are satisfactory.

A table showing the categorizations done by the author and the four validators, as well as the inter-rater agreement calculations, is available in Appendix F.

4.5 Checking analysis results for statistical significance

To check whether the results can be considered statistically significant, the chi-square (χ^2) test was applied to the numbers, using an Excel sheet provided by the English department.

Table 4.3. Observed and derived Expected values used to calculate the χ^2 and p-value.

<i>Category \ Year</i>	Observed				<i>Expected</i>		
	<i>1820s</i>	<i>1900s</i>	<i>1990s</i>	<i>Sum</i>	<i>1820s</i>	<i>1900s</i>	<i>1990s</i>
Father	28	26	7	61	20.54	20.33	20.13
Either	26	20	45	91	30.64	30.33	30.02
Mother	16	11	20	47	15.83	15.67	15.51
Country	9	2	0	11	3.70	3.67	3.63
Origin	10	35	9	54	18.18	18.00	17.82
Organization	7	4	16	27	9.09	9.00	8.91
God	3	0	0	3	1.01	1.00	0.99
Sum	99	98	97	294	99	98	97

Proportion	0.337	0.333	0.330	1.000
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$$\chi^2 = 78.11$$

df = 12 (degrees of freedom in the table: (c-1)(r-1))

$$p = 9.4516\text{E-}12$$

As a general rule when using the chi-square test, the p-value derived from the χ^2 value in combination with the degrees of freedom shows the probability that the difference in frequency between categories is the result of chance. A low probability – as a standard a p-value lower than 5% (0.05) is used – would show that the results achieved can be considered **not** having been the result of chance, since the probability for this is low, and that the results are statistically significant.

Looking at the values from this COHA study as displayed in Table 4.3 above and the p-value derived from these numbers, we can assume that since the p-value is so low (0.000000000094516), the results and the differences shown are statistically significant, and it could be expected that a similar outcome would be reached given another set of data or samples from COHA.

However, there is one caveat to these results. As McHugh mentions (2013), the expected values in the table violates the χ^2 assumption that no more than 20% of the cells may have an expected value below 5 (I have 6 cells of 21 with such a value, which equals 29%), and/or that no cell may have an expected value lower than one (1) (I have one cell with such a value). Using another type of statistical test, like Fischer's exact test, may yield another result – or a similar one. Given the limited scope of the essay, no other test has been made, hence one could claim that the χ^2 test in this case is inconclusive and the p-value cannot be used to show the probability.

Being aware of the limitations of the χ^2 test as described above, I have decided to include the table and the calculations but will refrain from making claims of statistical significance for my results.

5. Discussion

The premise for this essay was that at the beginning of the 19th century, the most frequently intended and understood meaning of *parent* was *father*; the father was the head of the household, the legal guardian of children and hence the parent to be reckoned with, rather than the mother. The second part of the theory was that this meaning has changed over time and that by the end of the 20th century, *parent* often encompassed a wider meaning where *father* is one of many.

The results presented in section 4 above support this hypothesis. First of all, we can establish that there is a shift in the intended and perceived meaning in the word *parent* when comparing data from the 1820s, the 1900s and the 1990s. When someone was talking or writing about a *parent* in the 1820s it is more likely they meant a *father* than a *mother*. Could this be the case because at this time in history women were not part of the discourse, or perhaps not considered as parents from a legal perspective? C.S. Lewis writes that “[w]hen a word has several meanings historical circumstances often make one of them dominant during a particular period” (1960, p. 12). Using this terminology, *father* could be considered the dominant sense of *parent* in the 1820s.

It can be difficult and somewhat precarious to interpret the meaning of what someone else has said or written. Nevertheless, as discussed above in section 2.5, we constantly make assumptions and inferences when engaging in communication, including when reading texts of various age and origin. When examining writings from centuries ago we must place the texts in their historical context, remembering that the author may have had a different outlook on and understanding of life than we have. C.S. Lewis explains this beautifully: “If we read an old poem with insufficient regards for change in the overtones, and even the dictionary meanings, of words since its date – if, in fact, we are content with whatever effect the words accidentally produce in our modern minds – then of course we do not read the poem the old writer intended” (Lewis, 1960, p. 3). If we are not watchful and aware of how the senses of words can change over time, we will run the risk of reading a different text than the one once written.

This shift in meaning – sense – across centuries is also reflected in dictionaries. One reflection to make is whether the dictionary meaning is prescriptive, telling the audience how the word should be used, or is it descriptive, reflecting changes in how the word is used. In the oldest dictionary quoted in section 2.2, *The royal standard English dictionary* from 1800, there is only a short entry for *parent*: a *father* or *mother*. In the newest dictionary for American English referred to in 2.2, the *Merriam-Webster online dictionary*, the list of meanings is markedly longer than that, and the second definition given for *parent*, 1b), is “a person who brings up and cares for another”. This could be a description of either a father or a mother but it could also describe a caregiver with no biological relation to a child, e.g. an adoptive parent, a step parent, or someone else who takes the place of a biological parent. Clearly the dictionary meaning of *parent* has been expanded in the time period between these two publications, something that is supported by the outcomes from the research for this essay. This could indicate that the editors of the Merriam-Webster dictionaries regard their publication to be mostly descriptive, reflecting current use of the language.

An interesting observation is that *origin* shows a significant increase as meaning in the 1900s as compared to the 1820s. The fact that *origin* is so prevalent – it is the most common meaning during that decade with 35 instances – does that mean that there was a large increase in science-related discussion? There was a plethora of scientific discoveries during the second half of the 19th century, for example in biology, chemistry, and physics. Most likely this led to magazine articles, and eventually books about the revolutionary discoveries the scientists made.

Looking closer at the numbers in the table in Appendix A, showing instances of *parent* in COHA divided per decade, we see that the highest frequency of occurrences in absolute numbers is in the 1990s, with 1,019 tokens, with the 2000s coming in a close second with 1,012 tokens. It could be easy to look at the large numbers for the 1990s and 2000s and think that these decades were when *parent* was in its most frequent use. This is true in absolute numbers, but looking at the relative frequency, it is clear that the most recurrent use was in the early 19th century, with the 1820s standing out with 64.67 instances per million words. This is not quite, but almost, the double for the 1990s with 36.47 instances per million words. Could it be that there was a lot of talk about and interest in parents in the early 19th century?

It is also interesting to see the growth in frequency between the 1980s and the 1990s. With only a small increase in the corpus size between those decades (25.3 million words for the 1980s and 27.9 million words for the 1990s), both the absolute and the relative frequency is nearly doubled for the 1990s. When looking closer at the titles of the publications where the COHA contexts are taken from, there seems to have been a large increase in the number of magazines and books directed at a parent audience during this decade. There are publications called *Parenting*, *Today's Parent*, and *Child Life*, all with titles indicating they are directed to an audience of – parents.

6. Conclusion

When starting work with this essay, my hypothesis was that there has been a change in how the meaning of the word *parent* is intended and perceived in American English writing over the past two centuries, from having the primary meaning *father* to being used in a wider sense. 200 years ago, a *parent* was the actual progenitor of a child, in common terms the mother or the father, or in some instances a stepfather or stepmother. If *father* was the most commonly perceived sense for *parent* in the early 19th century, the results reveal that towards the end of the 20th century the sense has shifted to most often indicate *either*; *parent* is meant more in a general term and no discernment is made – it is not clear whether male or female *parent* is the sense or if *parent* perhaps can even be interpreted to mean ‘anyone who is close to the child and providing care to it’. The dictionary meanings, as shown in section 2.2, seem to agree.

In the early 21st century anyone can become or be considered a parent, at least in theory. Changes and developments in society, in reproductive technology, in gender equality, and in LGBTQ+ rights over the past half-century may even have laid the foundation for a new definition of the word *parent*. Hill (1991) points to the issue of when various parties, such as sperm and egg donors, and/or a surrogate mother, have made distinct contributions to the procreative process, who should be recognized as the parents of the child? Is being, or being considered, a parent simply a legal matter? Are you a parent when you take on the role as parent – or when you provided the human cells? Is it possible to agree on a definition?

In the United States a discussion has started about changing the laws deciding who is considered a parent, for example by extending the so-called title rights to non-biological, non-adoptive parents – and in some states this change has already begun. There have been a few court cases related to alimony payments and visitation rights which have highlighted the matter, and the last word on the topic has surely not been heard. Further research could delve further into how shifts in language can reflect changes in society and social norms, using *parent* and its different semantic senses as an example.

As discussed above, we can see that there has actually been a change, or perhaps it should be called an expansion, in the meaning of *parent* over the 180 years studied. What would be interesting to know is why this change has happened, what have been the causes for the shifts over time. That however, is for future research to investigate.

It is one thing to show that change has taken place and quite another to explain why change occurred. (Lindquist, 2009, p. 168)

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Appendix A

Occurrence of *parent* in COHA, divided per decade

<i>Decade</i>	<i>Frequency (number of instances)</i>	<i>Size of corpus (million words)</i>	<i>Frequency per million words</i>
1810s	72	1.2	60.95
1820s	448	6.9	64.67
1830s	683	13.8	49.58
1840s	657	16	40.94
1850s	611	16.5	37.09
1860s	456	17.1	26.74
1870s	318	18.6	17.13
1880s	352	20.3	17.33
1890s	317	20.6	15.39
1900s	302	22.1	13.67
1910s	317	22.7	13.96
1920s	361	25.7	14.07
1930s	299	24.6	12.15
1940s	328	24.3	13.47
1950s	321	24.5	13.08
1960s	334	24	13.93
1970s	394	23.8	16.54
1980s	575	25.3	22.71
1990s	1,019	27.9	36.47
2000s	1,012	29.6	34.23
Total	9,176	405.5	22.63

Appendix B

Occurrence of parent in COHA, divided per decade and source type

1820s

Instances	Meaning category			
28	father	Fiction	23	father
26	either (ambiguous)	59	1	country
16	mother		5	origin
9	country (or state)		14	mother
10	origin (root of/causing)		15	either
7	organization		1	God
3	God			
99	total		59	
		Magazine	2	father
		9	3	country
			1	origin
			3	either
			9	
		Non-fiction	3	father
		31	5	country
			4	origin
			2	mother
			8	either
			7	organization
			2	God
			31	

1900s

Instances	Meaning category			
35	origin (root of/causing)	Fiction	19	father
26	father	35	1	country
20	either (ambiguous)		6	origin
11	mother		5	mother
4	organization		4	either
2	country (or state)		35	
0	God			
98	total	Magazine	5	father
		44	1	country
			18	origin
			6	mother

12	either
2	organization
<hr/>	
44	

Newspaper

1	1	organization
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Non-fiction

18	2	father
	0	country
	11	origin
	0	mother
	4	either
	1	organization
<hr/>		
18		

1990s

Instances	Meaning category
45	either
20	mother
16	organization
9	origin (root of/causing)
7	father
0	God
0	country
<hr/>	
97	total

Fiction

18	2	father
	0	origin
	8	mother
	8	either
	0	organization
<hr/>		
18		

Magazine

47	2	father
	6	origin
	10	mother
	21	either
	8	organization
<hr/>		
47		

Newspaper

17	2	father
	0	origin
	1	mother
	8	either
	6	organization
<hr/>		
17		

Non-fiction

15	1	father
	3	origin
	1	mother
	8	either
	2	organization
<hr/>		
15		

Appendix C

All samples from 1820

Decade: 1820-1829

A random sample of 100 tokens out of 448 in total for the decade was chosen. On closer examination, one of the samples turned out to be a misspelling (apparent) – that sample was ignored in the analysis (sample marked in yellow).

Sample number	Publication year	Source category	Source title	Meaning category	Context
1	1827	FIC	Novels	origin	, but of a different kind. The diversity in our temper was never the parent of discord, and was scarcely a topic of regret. The scene was variegated
2	1825	MAG	NorthAmRev	father	advantage of the prayers, instructions, and example of a most pious and watchful parent . He had come from college with a blameless character and a high literary reputation
3	1829	NF	ViewConstitution	either	felt by such near relations, both for the guilt and the loss of the parent , is unreasonably aggravated by their being thus subjected to partake, though in a
4	1829	NF	ViewConstitution	country	removal was compelled, in the two latter voluntary, but in all, the parent country retained and exercised certain rights over her colonists, founded on the express or

				organization	have said respecting some assertions of the Reviewer relative to the unrestrained power of the Parent Society over all funds in its treasury, is irrelevant, and therefore require no
5	1829	NF	AnExaminationStrictures	either	present interest and anxiety to forward the youth's impatient wish to hasten to his parent , he conducted him to the place where the animal was caparisoning, and with
6	1827	FIC	BuccaneersARomance	father	now felt herself for the first time obliged to disobey him who was her only parent , and whose directions she had hitherto considered as an unerring rule of conduct.
7	1824	FIC	OHalloranTheInsurgent	mother	but the existence of one whom you must allow most innocent; I have another parent to whom the tidings of your sentence brings joy or wo unutterable, and -
8	1827	FIC	BuccaneersARomance	either	- This was a very f.m Uli id *o iou Oi ltmfiim and strife. The parent , or curator, or tutor, *OO1Cti*flu* icrno'ved, with. the ward under
9	1828	MAG	NorthAmRev	either	in a great majority of cases, eminent men have derived their talents from either parent , and that it is a remarkable circumstance, that such inheritance is most
10	1828	NF	DiscourseOnGenius		

				generally	
				father	he should love, and has promised to cherish; but the affection of a parent for his child is never permitted to die. " " And is the heart
11	1826	FIC	LastMohicansANarrative1757	father	listen to the letter of Miss Brooks.' Sophia's smile thanked her kind parent for the interest he took in her plans and pleasures, and she began.
12	1829	FIC	SketchesAmerican	father	. You too are young, Yet may be happy; for you have a parent Who, tho' he guide you safely down the stream, Does not,
13	1826	FIC	TragedySuperstition	father	country, though the mildness and modesty of her disposition, and respect for her parent , restrained her from openly expressing her sentiments. Indeed, it is worthy of
14	1829	FIC	SketchesAmerican	either	youthful fire and discreet love. Forced on me by the commands of a determined parent , the Baron Rochdale was at first but an object of my indifference; an
15	1824	FIC	Tancred	God	all concur to forbid such an idea. We may even conceive that our Heavenly Parent beholds with sacred complacency the hope which he himself has implanted; a hope spring*
16	1829	NF	ChristianEssays		
17	1827	FIC	Poems	country	in requiem o'er her darling birth, " Return

					<p>thou loved one, to thy parent earth: " -- Safe in her bosom the deposite keeps, Until the flame</p>
				father	<p>" said Munro, looking at the light footsteps of his children, with a parent's love; " we shall find their fainting forms in this desert. "</p>
18	1826	FIC	LastMohicansANarrative1757	origin	<p>make a partnership of knavery with the released forger, and cover, as the parent bird its unfledged young, the atrocious enormities of his companions: -- but it</p>
19	1827	FIC	BuccaneersARomance	either	<p>that can be pursued; the apprentice will rob his master, the child his parent; the husband hath taken the labour of the day to gain him admission,</p>
20	1827	FIC	BuccaneersARomance	mother	<p>only five years old, an age at which, in general, a deceased parent is quickly forgotten; but, in my attachment to my mother, I shewed</p>
21	1827	FIC	Novels	either	<p>can never be persuaded that he would not have possessed every virtue, which a parent's heart could wish. The soldier, disappointed of a battle, never doubts</p>
22	1820	MAG	NorthAmRev	organization	<p>the United States. Nor are all these funds subject to the Board of the Parent Society; for the income of scholarships raised within</p>
23	1829	NF	AnExaminationStrictures		

					the limits of Branch Societies,
				father	until it was now of the most distressing nature. It was that of a parent , over his own, his only son. He could neither sleep nor eat
24	1822	FIC	LoganAFamilyHistory	either	none else, through life I will be true; But still obedience is a parent 's due. Rog. Roger Is not Sir William and yourself to stay Among
25	1823	FIC	NewGentleShepherd	mother	, the consolation of knowing that the being whom he adored as a benefactor and parent , had not been deprived of existence, though bereft of peace by his act
26	1827	FIC	Novels	mother	me on Wednesday last. The stroke has fallen; and we are without a parent . But the Psalmist says, *'When my father and my mother forsake me,
27	1826	NF	MemoirsLateMrs	father	nor on the foul quicksands of debasing licentiousness. What, then, has the parent to do, if he would conscientiously discharge that most sacred of all duties,
28	1829	NF	CoursePopularLectures	origin	liable to regard them as inexplicable inconsistencies, and as proofs that religion is the parent of melan* choly, and is devoid of permanent and tranquil happiness. The following
29	1829	NF	MemoirMrsAnnHJudson		

				either	its changes, that I know them, and all its courses, as a parent the wandering of its little one. O, I feel its light in my
30	1822	FIC	LoganAFamilyHistory	either	felt. I can not describe it. It is impossible. None but a parent can understand me.
31	1823	FIC	ErrataTheWorks	mother	Before I was a father, I thought that I had , the reverse of my former one. The treatment I received from my new parent , without erasing the memory of the old one, quickly excited emotions as filial
32	1827	FIC	Novels	organization	eligible to office; and that their election must depend on the Directors of the Parent Society; that such an arrangement is giving them a power to perpetuate their own
33	1829	NF	AnExaminationStrictures	either	to be compensations for moral offences, rather than punishments; and fell on the parent at a remote time, instead of falling at once on the offender himself.
34	1825	NF	RemarksOnChanges	mother	and never shall, think of you in any other light than that of a parent , whose duties you have with so much care and solicitude fulfilled towards me.
35	1823	FIC	WildernessBraddocks	father	from a place where the gratitude of the daughters might receive the support of a parent 's thanks. " " Your father himself could tell you, that, though
36	1826	FIC	LastMohicansANarrative1757		

				mother	which clung to their steps in friendship, receiving them in its bosom like a parent doth its weeping offspring: -- and these men thus received, were the venom
37	1827	FIC	BuccaneersARomance	organization	consent and approbation; while, on the other hand, the concurrence of the Parent Society is necessary, in order that the appropriation may be actually made; unless
38	1829	NF	AnExaminationStrictures	father	first smitten, -- that is defiled at the source -- when disobedience to a parent hath once mingled with it. -- It is that infidelity, which, in
39	1823	FIC	RandolphANovel	father	motley community becomes unmanageable. The dignity of a magistrate and the authority of a parent must constantly combine to sanctify his authority. The law respecting matriculation requires of home
40	1828	MAG	NorthAmRev	father	aye, nearly all my ruined fortunes hath left since they have seized upon my parent's homestead, and hold it in the crown's name. Take it,
41	1827	FIC	BuccaneersARomance	father	the tears in your eyes, that you could listen for ever, to a parent , when his own child was the theme. I had business the next morning
42	1823	FIC	ErrataTheWorks		

				either	-- in the midst of debauchery and dissipation -- and so the example of the parent descends to the child; but judgment, that of a just judge, goes
43	1827	FIC	BuccaneersARomance	origin	and were sufficient for my subsistence in a single state; but wedlock was the parent of new wants and of new cares. Mr. Hadwin's possessions were adequate to
44	1827	FIC	Novels	either	dispense with their performance, we should do so. There is not only no parent who would be pleased with being honored in this way, or friend who would
45	1829	NF	SelectionsFrom	country	, they had many strtiggles against the sanguinary spirit in the criminal code of the parent state. Penn prepared a criminal code, a most illustrious proof of his wisdom
46	1821	MAG	NorthAmRev	mother	a blasting breath defaces all. (Exit hastily.) Evelina Evelina -- Excellent parent ; those starting tears which you would conceal from your child, convince her,
47	1820	FIC	IrishExilesInAmerica	father	nature of the scene. One explication was obvious, that the husband was the parent of this child, and had used this singular expedient to procure for it the
48	1827	FIC	Novels	father	leaning on his gun and looking anxiously in the grief expressive countenances of the hapless parent and his child, as though he
49	1827	FIC	BuccaneersARomance		

					would fain participate in the sorrow that rent
				father	which you claimed for yourself. I saw no difference between forbearing to consult a parent , in a case where we know that his answer will condemn us, and
50	1827	FIC	Novels	country	denied that this University is an abundant source of it, not only to her parent State, but to Western America.' The moral effect of an institution so
51	1828	NF	DiscourseOnGenius	mother	the source, may be at least the coadjutor of virtue; if not the parent , she may be at least the companion. Far be it from me to
52	1829	NF	CoursePopularLectures	God	minds and morals of men, I think we have reason to bless the benevolent Parent of the universe, that he has not endowed a greater number of individuals with
53	1826	NF	MemoirsLateMrs	father	these, " he murmured indignantly, " are the men my deluded and abused parent fostered and warmed in his confidence, little recking that they followed him but for
54	1827	FIC	BuccaneersARomance	country	be in this country. Our criminal jurisprudence deviates so widely from that of our parent country, that a large part of every English book relating to justices, must
55	1824	MAG	NorthAmRev	father	was our nearest relation, and had ever treated us with the affection of a parent .
56	1827	FIC	Novels		

					Our meeting, therefore, could not be without overflowing tenderness and gloomy joy
				either	But hearken to a truth. It is right you should hear it. What parent have you in the world nearer to you than I am? None. Or
57	1823	FIC	WildernessBraddocks	origin	times of flood like the present, when it appears nearly as large as the parent stream; it forms an island ten or twelve miles long, and from two
58	1820	NF	JournalsTwoExpeditions	organization	exist, this must be proof satisfactory enough to every candid mind, that the Parent Society is not aiming at power and control. While I am on the subject
59	1829	NF	AnExaminationStrictures	father	fullest evidence that her step-father, Sir John Shaw Stewart, who proved a kind parent to her, was an object of her sincerest and most dutiful aflPection. Her
60	1829	NF	MemoirBarbaraEwing	country	any hostile declaration against the parent, was held to be an attack upon the parent . This relation produced certain consequences which were considered beneficial to both. The internal
61	1829	NF	ViewConstitution	organization	goes on to aver, that they are all returned to the treasury of the Parent Society; and that, in consequence of such an arrangement, this Society will
62	1829	NF	AnExaminationStrictures		

				mother	on the world, found in her the affection, tenderness and care of a parent . Her charities were not the whim of a benevolent moment, but such as
63	1828	FIC	CharlottesDaughter	origin	scene before me with altered eyes. Its order and pomp was no longer the parent of tranquillity and awe. My wild reveries of inheriting this splendor and appropriating the
64	1827	FIC	Novels	country	to adjacent territories, who still however, partook of the original relation to the parent country, and there also are examples of Greek colonies, when they had become
65	1829	NF	ViewConstitution	either	effects, and some melancholy ones. There is a feeling of sadness in the parent's heart while reflecting that the household band, so fondly reared together, will
66	1829	FIC	SketchesAmerican	father	father has forbid our loves, I own; But love's superior to a parent's frown. I falsehood hate: -- come, kiss thy cares away.
67	1823	FIC	NewGentleShepherd	either	not Commence my story there. -- I was left, Charles, Without a parent's care, just at that age That needs it most. I had ne'er
68	1826	FIC	TragedySuperstition	either	little to the hazard of being lost. It resembles the unavailing kindness of
69	1828	NF	DiscourseOnGenius		

					a parent confiding funds to the disposal of a son who is incompetent to business. The
				mother	disquiet, the unprecedented forlornness of my condition, and the persecutions of an unnatural parent , would be to leave my character a problem, and the sources of my
70	1827	FIC	Novels	father	few pieces of indispensable furniture, were carried in vehicles of every form. The parent or husband had perished; and the price of some moveable, or the pittance
71	1827	FIC	Novels	either	beset thy youth. Poverty, disease, servile labor, a criminal and hapless parent , have been evils which thou hast not ungracefully sustained. An absent friend and
72	1827	FIC	Novels	either	up the image of my mother. I reflected on the infatuation of my surviving parent , and the usurpation of the detestable Betty with horror. I viewed myself as
73	1827	FIC	Novels	mother	such anxiety to throw the blame of this affair on Jane; but however a parent may seek by every flattering unction vanity can devise, to evade the truth,
74	1822	FIC	New-EnglandTale	country	may make a suitable return for the many aids, which America received from the parent country, when her own jurisprudence was loose, unformed, and provincial. The
75	1825	MAG	NorthAmRev		

				origin	man is justified by faith. " The faith of the Christian is the fruitful parent of all that is excellent both in the heart and life. The Apostle John
76	1829	NF	ChristianEssays	either	all sentient beings who tread the earth. Were a child thus viewed by his parent , we should not see him, by turns, made a plaything and a
77	1829	NF	CoursePopularLectures	father	grant me fortitude and resignation to submit. In resisting the will of my earthly parent , I would not resist thine, my Heavenly father! Forgive me, therefore
78	1824	FIC	OHalloranTheInsurgent	father	the dust - their graves -- I pray you spare him, he is my parent ; make not our home a place of desolation, widow not my mother,
79	1827	FIC	BuccaneersARomance	origin	art gone? The little bird when fledged and grown, Far from its fostering parent flown, Must seek a sustenance alone, And many a thorn, And many
80	1820	FIC	JudithEstherOther	either	plucked from her children; what wife from her husband? what child from her parent ? None! none! and I thank my God that I have not.
81	1822	FIC	LoganAFamilyHistory	God	; I'm glad o't, an' I hope in God, the Great Parent o' us a', that he'll keep us a' happy lang
82	1823	FIC	WildernessBraddocks		
83	1827	FIC	RivalsAcadia	father	on her heart, and she shed many secret and

					bitter tears for her unfortunate parent . Soon after the death of Madame de la Tour, Lucie removed her residence
				father	To murder his Alzira, whom he lov'd With all the tenderness, a parent can: And in the battle, at the very moment, When victory decided
84	1821	FIC	Poems	organization	, and break their solemn vows, in order to please the Directors of the Parent Society in and around Boston; and all this because /z/ they owe them a
85	1829	NF	AnExaminationStrictures	either	, the greatest drudge at home. Rog. Roger That's only when dull parent 's love of cash Two diffrent tempers do together clash: But love, true
86	1823	FIC	NewGentleShepherd	mother	to acknowledge -- like the sway of a mother over her babe; -- a parent over her helpless sweet child. But let me not think of her -- it
87	1823	FIC	Seventy-sixVolume2	misspelling	commiseration of the supposed disastrous lot of the natives is in nothing more ap. - parent , than in the suggestions made for the benefit of the savage tribes, which
88	1823	MAG	NorthAmRev	origin	reforming the criminal law without beginning at the very root, and renovating the whole parent trunk, as well as the remoter branches. Even we, in the Atlantic
89	1823	MAG	NorthAmRev		

				father	seen, that my curiosity was gratified. He who stood before me was the parent and fosterer of my mind, the companion and instructor of my youth, from
90	1827	FIC	Novels	origin	. " An eager thirst for knowledge is commonly the attendant, and often the parent , of a restless, enterprising disposition. It was so in the case of
91	1829	NF	MemoirMrsAnnHJudson	either	removed. Our union would no longer risk the resentment or sorrow of her excellent parent . She had no longer a sister to divide with her the property of the
92	1827	FIC	Novels	country	it, and an attack upon the latter, without any hostile declaration against the parent , was held to be an attack upon the parent. This relation produced certain
93	1829	NF	ViewConstitution	mother	whose house, I said, would need a mistress, and his children a parent . During this discourse, my venerable friend struggled with his tears, but my
94	1827	FIC	Novels	father	unexpected journey to Connecticut.. I came to take my last farewell /z/ of a parent , a father, dear to my heart, whom God has taken to a
95	1826	NF	MemoirsLateMrs	either	Like those children who return to folly as soon as the chastening hand of the parent is withdrawn, I feel that I have an evil heart,
96	1826	NF	MemoirsLateMrs		

					continually inclining me
				mother	you, if Miss Redwood is right in her worst conjectures, I think the parent's fault is redeemed by the daughter's virtue. " Mrs. Westall knew that
97	1824	FIC	RedwoodATaleVolume2	mother	the circumstances that preceded his marriage, and perhaps the child's resemblance to the parent , accounted in part for this want of affection; and the carelessness that was
98	1824	FIC	RedwoodATaleVolume1	either	Braintree, the cherished abode of his childhood, and the residence of a beloved parent , until his return. A severe storm, which occurred when the packet was
99	1826	MAG	NorthAmRev	either	Boston. But my children have other interests besides pecuniary ones; interests which the parent on earth and the Parent in heaven, view as most important. Where,
100	1826	NF	MemoirsLateMrs		

All samples from 1900

Decade: 1900-1910

A random sample of 100 tokens out of 302 in total for the decade chosen. Two (2) of the samples turned out to be duplicates of another sample – taken from the same piece of text. Those samples were ignored in the analysis (samples marked in **yellow**).

Sample number	Publication year	Source category	Source title	Meaning category	Context
1	1909	MAG	Nation	either	working hypothesis, " that they are wiser and better than their elders. Honest parent , do you know why your boy likes Horatio Alger? Did you ever read
2	1909	FIC	MotorBoysOnPacific	father	husband was accused of murdering by poison -- hemlock, they alleged -- his adoptive parent , the retired merchant, Parker Godwin, whose family name he took when he
3	1900	FIC	PhilipWinwood	father	years more or less don't alter my rights, or the responsibilities of a parent . Don't think, sir, I shall stand up and quietly see myself
4	1902	FIC	BoyLandBoomer	father	boxes piled high in the center of the vehicle to where he had left his parent resting less than three hours before. " Gone! " cried the lad in
5	1901	FIC	LionsBrood	country	, in a way, defenceless. If a time of madness come upon a parent , do we not guard her the more tenderly who can not guard herself?
6	1900	MAG	Atlantic	country	in the president's office. The German government is paternal, but an ill parent compared with this; Tammany Hall a superb organization, but lax beside Mormonism.
7	1902	MAG	Atlantic	either	the ether foot,? at least from the point of view of the Puritan parent , who keeps up a pretty constant outcry against the waste of time and

					energy
				either	country owe their success almost wholly to the inspiration which came from the confidence of parent or teacher or friend in their ability. When disBORN // couragements crowded upon them
8	1907	NF	YoungManEntering	either	that the underfed condition of a child is due to the culpable neglect of a parent , the board should have power to prosecute. The committee were much impressed by
9	1905	MAG	Forum	either	is, in the actual sense of it, a sort of turning of the parent soul upon its offspring; a strangling and is trampling down of all desires;
10	1903	MAG	Atlantic	origin	hand resemble a ladies' powder puff, both in size and texture. The parent birds as a rule leave the nest during the day after the young are hatched
11	1909	MAG	NatGeog	origin	and that search the ground by sight and by smell. It is not the parent bird, but the eggs and the young, that they capture. Indeed,
12	1905	MAG	Atlantic	origin	could be understood by every intelligence. The blazing satellite, violently detached from the parent sun starting on its circumscribed orbit -- that was the first stage, the gradual
13	1906	FIC	LionMouseStory	father	dislike of unpleasant consequences for a genuine repentance of the wrong act. Every wise parent , every efficient college officer,
14	1902	MAG	Atlantic		

					every just judge, must harden his heart against
				father	the gift of making the most of their opportunities. A profound veneration for their parent and an unswerving faith in his doctrines had not amended their congenital incapacity to understand
15	1901	FIC	CrucialInstances	father	which Dick continued his work and made him as comfortable as possible by wrapping his parent in his own dry coat. " Where is that rascal? " " What
16	1902	FIC	BoyLandBoomer	organization	has its own officers, but these are chosen by the combination, or " parent " corporation, which thus determines their policy in every important respect. Several hundred
17	1909	NF	IntroductionEconomics	origin	, Or she-bear lean and brown; All parent beasts see duty true, All parent beasts their duty do, We are the only kind that asks For duty upside
18	1909	FIC	WhatDianthaDid	mother	alibi, the fickle Tootles began to show unmistakable signs of aversion for her temporary parent . Mrs. Rodney, being an old-fashioned mother, could not reconcile herself to this
19	1908	FIC	HusbandsEdith	origin	up into groups, according to the accepted theory. They show specimens resembling each parent , with the third composed of seemingly, but not really, blended specimens.
20	1907	NF	ThreeAcresLiberty		

21	1904	NF	BitsTalkAboutHome	father	was their mother. This' // Is a position very startling to the average parent . It is exactly counter to traditions. " Why must I? " or
				origin	ancient Mongol blood, a reversion, after long centuries of wandering, to the parent stem. This effect was heightened by the delicately aquiline nose with its thin trembling
22	1903	FIC	WindInRose-bush	mother	important than the parent? Which is the more important, the wife or the parent ? What? The family? " The son at length makes the painful compromise
23	1908	MAG	Atlantic	origin	in its advance had passed outside the tropics, subtropical Asia still remained the fruitful parent of religions. Christianity did not
24	1902	NF	RacesMan	father	316 The Zone of the Founders of Religions. dollars for a bathrobe. " Nor do I find, " continued the irate parent coldly, " that the honor you did the company by disguising yourself as a
25	1909	FIC	WhiteMice	mother	each month. In this way the teacher is brought into direct contact with the parent . The two meet at a semi-social function, where, relieved of some of
26	1909	MAG	GoodHouse	origin	. It may be said in general that reproduction always involves a division of the parent organism. In the case of the amoeba the division is into two equal portions
27	1907	NF	BiologyPhysiology		

				origin	existed a considerable period, or whether they have all just been formed from their parent element and therefore are all newly born. The fraction disintegrating per second is the
28	1909	MAG	Harpers	origin	formed by the fruiting calyx, which is more or less glandular. From this parent stock several valuable double-flowering roses have been derived, among others the Queen and the
29	1901	NF	WildFlowers	either	grandchildren. If there are none and a parent survives, it goes to the parent . If there are neither children, grandchildren, nor parents it goes to brothers
30	1905	NF	BontocIgorot	mother	" I'll not, mother, " and, with a kiss for his parent , Bert dashed down the stairs, and ran at top speed for Cole's
31	1909	FIC	YoungFiremenLakeville	either	another. The child, put to work, has not the knowledge of the parent , but a special aptitude in his skill and dexterity. Both body and mind
32	1902	FIC	EducationNegro	origin	acquisition possible, should not, like any other physical peculiarity, be transmitted from parent to offspring. That they are so transmitted is all but proved by the
33	1902	MAG	PopSci	origin	, and a definite answer will probably soon be forthcoming. If uranium is the parent of radium, the amount of radium present in the earth will at all times
34	1905	MAG	Harpers		

				father	of the cold hands within his own. Then he placed his ear to his parent's heart. " Too late! He is gone! " he wailed.
35	1902	FIC	BoyLandBoomer	father	engaged in an altercation with my male parent on the subject of religion, said parent being a man of strong views and short temper. Said parent, however,
36	1905	FIC	Motormaniacs	origin	nature. I assume that they are, as a rule, derived from the parent species by the loss of some organ or quality, whereas the main lines of
37	1909	NF	DarwinModernScience	origin	the question, What is a variation? presented no difficulties. Any difference between parent and offspring was a variation. Now we have to be more precise. First
38	1909	NF	DarwinModernScience	origin	a very small portion of their protoplasm to make an egg or seed while the parent organism lives on to produce eggs or seeds on subsequent occasions. While the parental
39	1907	NF	BiologyPhysiology	either	Sons of the Revolution. Along that line, let it be added, every parent in Tinkletown bemoaned the birth of a daughter, because that simple circumstance of origin
40	1907	FIC	DaughterAnderson	origin	shattered wave recoiling from the rocks, while behind the racing cud outruns its slower parent billows. There is motion and
41	1909	MAG	Nation		

					clamor in it, more, perhaps, of
				either	It goes first to the children or grandchildren. If there are none and a parent survives, it goes to the parent. If there are neither children, grandchildren
42	1905	NF	BontocIgorot	either	to the parent. Now that the children's reading rooms are organized, the parent as a library factor should be absolutely required. Not only should a mother and
43	1909	MAG	GoodHouse	either	card of a boy and girl should be so arranged that at a glance the parent's attention can be drawn to the character of reading the child is doing month
44	1909	MAG	GoodHouse	father	, not alto gether, I hope, from the fact that he wa my parent . AN ATTEMPT TO BE SOMEBODY ELSE. MR. BOUCICAULT caused me to feel
45	1902	MAG	Century	origin	classic tongues, of the rival languages of modern Europe, and even of its parent Anglo-Saxon, English has resolutely stripped itself free, as David put off the encumbering
46	1909	MAG	Harpers	father	Into Ivan's wistful question she had discerned some sense of loyalty towards the other parent ; and, in that instant, she was ashamed. After all, he
47	1906	FIC	Genius	mother	this man, who seems to have disappeared at the same time that my only parent was forced
48	1909	FIC	Play:IncogFineFeathers		

					from her home and child! The old concierge, at the ruined
				either	children's rooms are accomplishing good results, there is still that lack of the parent's immediate interest which would do much to increase the usefulness of the room as
49	1909	MAG	GoodHouse	origin	from another (which is indubitable), and that such variations will be transmitted by a parent to its offspring (which no one then doubted); grant, further,
50	1904	NF	HistoryScience --	mother	expect that the library will relieve it of any responsibility of this kind. The parent thinks that it is the teacher's duty to teach, and it is difficult
51	1909	MAG	GoodHouse	origin	single tree that stood near by. No nest was to be seen, no parent birds hovered overhead, and little Robin could only tell its troubles in that mournful
52	1900	FIC	ModernCinderella	duplicate	religion, said parent being a man of strong views and short temper. Said parent , however, being a man of the world as well, tried to evade
53	1905	FIC	Motormaniacs	father	the advantages his father's wealth could give him, he had inherited from the parent only those characteristics which would have made him successful even if born poor -- activity
54	1906	FIC	LionMouseStory	origin	fly instinctively when their wings are strong enough. I have often thought that
55	1903	MAG	Atlantic		

					the parent birds sometimes withheld food for the purpose of inducing their young to leave the nest
				origin	In the case of some of the lower plants and animals the substance of the parent organism is divided into many equal minute spores or eggs, each of which develops
56	1907	NF	BiologyPhysiology	origin	secondary concentration by circulating waters. These waters, besides concentrating the ore within the parent bed, are likely to carry it out and to form ore-deposits at a distance
57	1904	NF	GeologyApplied	father	; but I don't hold with him nor his doin's. " The parent of the twins regarded them both with sardonic black eyes half shut. " You
58	1908	FIC	JudithCumberlands	father	the schools. It would be, I suppose, a revelation to the ordinary parent if he should visit the public school of his district and see the teacher and
59	1902	MAG	GoodHouse	organization	with the other districts of the company and with all the allied companies of the parent corporation throughout the country. This single switchboard has over four thousand miles of receiving
60	1906	MAG	Outlook	father	be found. But he had found himself, and for a time the misguided parent and most unhappy child studied each other in mutual shrinking and dismay. All the
61	1905	FIC	BrassBoundBox		

				father	it, mentally resolved not to accuse Vorlange of anything until he had gotten his parent to confess to the true state of affairs. By this time the boy and
62	1902	FIC	BoyLandBoomer	origin	common a swarm- 728 The Story of a New England Town. ing from the parent hive was frequent. It might seem as if a movement downstream from Wethersfield would
63	1900	MAG	Atlantic	origin	very widely distributed element, and it, together with the necessary quantity of its parent uranium, is a constituent to an almost infinitesimal extent in all the common igneous
64	1909	MAG	Harpers	either	a certain reference to the future, and to the continuance of this love of parent or wife or sister in the after-life, be- cause, according to the conception
65	1901	MAG	Harpers	father	end, they both resolved To lose them in a wood, Though nothing a parent annoys Like heartlessly losing his boys! So when their sons had gone to bed
66	1902	FIC	GrimmTalesMade	either	the cult of the dead. On certain occasions, the picture of the absent parent , husband, brother, or betrothed, is placed in the alcove of the
67	1905	FIC	RomanceMilkyWay	father	/ sale early in the spring. Sam had pleaded to take the steed and his parent had finally consented. " That's a fine bit of horseflesh you
68	1905	FIC	RoverBoysOnRiver	either	

				origin	have,
69	1903	FIC	Tar-HeelBaron	either	laurel, and, later, of the rhododendron, crowned the stems of the parent bush, as sometimes a fair girl springs from a rough and ugly father.
70	1907	MAG	PopSci	either	and (c) the psychical. Table II. gives us the resemblance between parent and offspring for a number of physical characters in man. Please note that the
71	1900	FIC	RedemptionDavid	either	and he would as soon expect to see the sun blotted from heaven as a parent removed from earth! And when his ethical perceptions awake, he has another experience
72	1904	NF	BitsTalkAboutHome	origin	, and to the soul the whole of life. Just so far as any parent interferes with this freedom of adult children, even in the little things of a little sparrow in its nest feel any fear when it hears the flutter of its parent's wings? Does the child shudder at its mother's approaching footsteps? "
73	1900	FIC	RedemptionDavid	either	. Since it is now generally recognized that the children's reading room needs the parent as an essential factor, there confronts the librarian for answer the all-important question:
74	1909	MAG	GoodHouse	origin	sackcloth of the desert. And in the centre of this long verdure ran the parent river, a flood of clear green, rushing, leaping, curling into
75	1908	MAG	Harpers		

				white	
				organization	city, and funds could be quickly transferred to the branch, either from the parent bank or from any other branch where the demand was less pressing. The advantage
76	1901	MAG	Nation	father	Very well, father, " sighed Dora, to whom the anger of her parent was a very rare thing. There was some justice in his point of view
77	1909	FIC	ScarletFeather	origin	I unhesitatingly say that in carrying his functions farther, the agent has been the parent of most serious abuses has become a very serious detriment to literature and a leech
78	1905	MAG	Atlantic	origin	like process. The Moon was born of throes like these? separated from its parent Earth in some moment of titanic convulsion. At the beginning all the planets would
79	1901	MAG	Harpers	origin	transmitted directly to the descendants, wherever the descendants arise by direct division of the parent's body? a common method of reproduction of the protozoa, The wonder is
80	1906	MAG	Nation	mother	The girl had witnessed Bill Hosker's nefarious deed and had at once summoned her parent . Mrs. Clare was a poor widow lady who supported herself by sewing. Rose
81	1906	FIC	RandyRiver		
82	1904	NF	HealthStrength	father	of the child's nervous system, may better be

					developed later. If the parent or teacher will lead up to these valuable, exercises through some sort of dialogue
				mother	with you, and very much pleased with herself, being, vicariously, the parent of a great artist. " " I hope you don't consider me'
83	1909	FIC	OldRoseSilver	origin	truly,? and guiding them, guarding them, cheering them on, the parent birds hung about the young adventurers. At nightfall they were yet in the vines
84	1906	MAG	Harpers	father	horse, and Dick went on his way to continue his search for his lost parent . The girl had thanked him again for what he had done and had squeezed
85	1902	FIC	BoyLandBoomer	either	Ature doesn't bleat,', ne pure. Aknost any kind of a parent will do at a pinch, except a liar. If we are exceptionally commendable
86	1900	MAG	Harpers	origin	13885217 That public opinion is the parent of legislation, is an important truth which is now so generally recognized that it
87	1902	MAG	Nation	mother	motherhood, and by no means for racing about Europe in charge of a disreputable parent . I could picture her settled equably on a garden-seat, with a lap-dog and
88	1909	MAG	Atlantic	mother	she passes to the real business of life. This sort of casual acquaintance between parent and child does not seem to
89	1909	MAG	Nation		

					exhaust the possibilities of the relationship. - We flatter
				origin	fell into very good hands and had excellent culture, or else that, the parent thistles themselves yearned sincerely to be figs, and tried to, and transmitted their
90	1900	MAG	Harpers	origin	of being of an intermediate color, the offspring are all black like the black parent . For this reason black is said to be dominant to white, which is
91	1908	MAG	Harpers	father	lovely daughter, Tanabata-tsum'e, who passed her days in weaving garments for her august parent . She rejoiced in her work, and thought that there was no greater pleasure
92	1905	FIC	RomanceMilkyWay	mother	no need for us to say that we do not know exactly what position a parent should hold as a library factor; the position emphasizes itself. Yet, though
93	1909	MAG	GoodHouse	organization	concealed clause that would enable it to abolish transfers and extend the franchise of the parent company, with exclusive rights, for an Indefinite time. The trick was discovered
94	1902	NEWS	Chicago	father	and imitation, and of the three the last is not the least. Every parent who al-lows himself the luxury of his children's society may expect to be imi-tated
95	1900	MAG	Harpers		
96	1907	MAG	PopSci	either	that the coefficient recorded is zero if there be

					no relationship and unity, if parent and offspring show an invariable relationship in the character under discussion. We see that
				duplicate	in ignorance. His treatment was as skillful as memory and his love for his parent could make it, and in less than half an hour he had the satisfaction
97	1902	FIC	BoyLandBoomer		
				father	or junior year in an American university Let no one, be he editor, parent , teacher, or pupil, lay the flattering unction to his soul that American
98	1906	MAG	Nation		
				origin	the supposition that they have an actual blood-relationship, due to derivation from a common parent . " He speaks of " the great Family of creatures, for as a
99	1909	NF	DarwinModernScience		
				father	Bridge. " You didn't fall down on the job, " the fond parent was carefully explaining, " because you never were on the job. You did
100	1909	FIC	WhiteMice		

All samples from 1990

Decade: 1990-1999

A random sample of 100 tokens out of 1,019 in total for the decade was chosen. Two (2) of the samples turned out to be duplicates of another sample – they were taken from the same piece of text. Those samples were ignored in the analysis (samples marked in **yellow**). One (1) sample turned out to be a name – someone referred to as Parent (as a last name) (also this sample marked in **yellow**).

Sample number	Publication year	Source category	Source title	Meaning category	Context
1	1998	MAG	AmSpect	either organization	Tanzania is poor is that we've paid them to be. " # No parent can let an offspring leave for college without this book. The job P.J. does associated memory, " says Lou Lenzi, vice president of multimedia services at RCA parent Thomson Consumer Electronics. " It's more of a single-purpose, low-end computing platform
2	1998	MAG	PopMech	either	have any contact with Cassidy unless you were old enough or were accompanied by a parent or legal guardian. " Oh ya, All Saints' Day, right?
3	1993	FIC	ShadowBoxer	father	he was reluctant to let his father down. The passage of time between his parent 's move to Grandview and his resignation at the bank suggests that the decision was
4	1995	NF	ManPeopleLifeHarry	either	that the program remains grounded in the community. The Council, composed of one parent and one community representative from each of the 11 school districts served by Murray,
5	1994	MAG	ChildrenToday	either	. " Nearly all area agencies will send a trained social worker to evaluate your parent 's problems and to help arrange services. Most agencies provide transportation for shopping and
6	1992	MAG	Fortune	origin	this scenario, Dactyl formed at the same time as
7	1995	MAG	Astronomy		

					Ida and from the same parent material, which explains the tiny moon's similarity in color to Ida and why
				mother	top of Mr. Mills's collard greens. # Sheryl T. Hawkins is a single parent of three children who enjoys researching family history and incorporating that information into modern-day fictional
8	1994	FIC	AfricanAmerRev	organization	names Time-Warner and Time Inc., part owners of AFP (and this magazine's parent companies) as co-defendants. # Whisper Numbers Tell All # Ever wonder why a
9	1998	MAG	Time	organization	, Washington, D.C., at (202) 483-1549 or www.nabse.org. * Start a parent organization or join one of the parent-teacher groups that increasingly fill the fiscal gaps plaguing
10	1999	MAG	Essence	either	He had masterminded a building program that included an outdoor pool and gymnasium. During parent orientation, some of the friendlier parents -- of which I had to admit there
11	1993	FIC	CerealMurders	other (name)	and he knows it. # " I'm 6-5, 240 pounds, " Parent said. " If I hit the ball, it's going to go somewhere
12	1995	NEWS	Denver	either	. Primary responsibility for addressing child care needs is placed at the local level. Parent counselors at local R &Rs; speak
13	1995	MAG	ChildrenToday		

					with hundreds of parents daily and understand what care
				mother	generations, says Miller, who lives in Vancouver, British Columbia and is the parent of an only child herself. Only children used to be rare, so they
14	1993	MAG	TodaysParent	origin	breeds can be produced. The easiest method of establishing a synthetic breed from three parent breeds is to mate Ft individuals produced from crossing two of the breeds to purebreds
15	1990	NF	AnIntroduction	origin	on August 13 will interfere with the peak of the Perseids. But since the parent comet of the Perseids is predicted by some to return this year and since great
16	1992	MAG	Astronomy	mother	be effective parents and that the presumed assumption that the mother is the more competent parent to raise the children in the case of separation and or divorce may not be
17	1992	NEWS	SanFran	organization	was held by many runners at that time. # Some years back, our parent company transferred its largest pharmaceutical product to our marketing division to make way for a
18	1996	MAG	SatEvenPost	either	\$ 18,000 a year, for instance, by eschewing bus transportation in favor of parent car pools. # For teachers, pay is low - about \$ 23,000,
19	1995	NEWS	USAToday		

				either	. Children drink soy bean juice instead of milk. Herbal medicine is emphasized. Parent Involvement # Because most parents work, direct parent involvement in the classroom is minimal
20	1994	MAG	ChildrenToday	either	and parent to have a positive experience. If the child persevered in leaving the parent's lap or, began to squirm and/or cry, testing was stopped. Another
21	1996	NF	OriginsGrammar	mother	him get injured. RESTRAINING ORDERS Toddler tethers come in several varieties. Leashes connect parent to child either wrist to wrist or by linking the adult's wrist to the
22	1997	MAG	Parenting	organization	, owned by Great Britain's EMI, didn't want to bother with its parent company's artist roster. So it allowed Vee-Jay to release the first several Beatles
23	1995	NEWS	Denver	either	may have a very different set of experiences, values, and expectations than the parent who was involved in the Gulf War. Or consider the task of providing care
24	1993	MAG	ChildrenToday	father	everybody just needed to get away. JOHN ends up we do go to my parent's house on sunday dad makes me sit down, " you look like a
25	1999	FIC	Play:GaggleSaints	either	reminded you of Beaver Cleaver's mom? # In 1992, the Vermont Foster Parent Association undertook such a search. But its choice didn't
26	1994	FIC	Radiance		

					resemble any 1950s sit-com
27	1992	NEWS	WashPost	organization	homes and businesses. # The phone companies, among them Bell Atlantic Corp., parent of the Chesapeake & Potomac Telephone Cos. in this area, are gearing up to
				either	specific family support activities and strategies - - including, but not limited to, parent education and parent involvement -- can be implemented in all types of early education and
28	1995	MAG	ChildrenToday	mother	symbolic papoose given the subject of the film (probing, intense, a single parent you won't forget, a brilliant evocation of the impact of ethnic clash,
29	1998	FIC	FantasySciFi	organization	of the National Association of Securities Dealers, the nation's largest self-regulatory organization and parent of the Nasdaq stock market. # As head of an organization that oversees some
30	1998	NEWS	NYT	origin	to produce an Ft population; used commercially but not bred from. Two purebred parent breeds have to be retained and the cross repeated in each generation. This system
31	1990	NF	AnIntroduction	either	analyst to recognize the thrust of this United Nations Convention or its potential impact on parent leadership. Most significantly, the documentation functions like a treaty. In other
32	1995	NF	StraightTalk		

words

33	1994	NEWS	Atlanta	either	be allowed to tell me how to raise my children. It's an individual parent's responsibility to raise their own children. # County has no need for parental
				mother	will end in separation or divorce, resulting in a large number of single - parent families and common - law arrangements. What this means for most single dads is
34	1993	MAG	TodaysParent	mother	meant she was really angry. He lost count this time. " Being a parent , " she said tautly, " being a full-time parent means that you sometimes
35	1993	FIC	PlanetAdventure	either	of these practices may vary substantially over time, they consistently involve the provision of parent education and social support focused on children's development. Increasingly, however, family
36	1995	MAG	ChildrenToday	either	has a child with a problem, do I approach that with understanding as a parent myself? Or do I approach that as a boss who has to get the
37	1996	MAG	USCatholic	either	unhappy worker can change jobs; an unhappy parent can't switch children. " Parent identity is many times more profound than professional identity, " says Renana Brooks,
38	1991	NEWS	WashPost	origin	. But this may change as astronomers discover more NEOs. 2101 Adonis may be
39	1992	MAG	Astronomy		

					the parent body of the Chi Sagittariid, Scorpiid-Sagittariid, and Capricornid-Sagittariid meteor showers, since they
				either	got away with murder, " she elaborates. " The older child trains the parent how to be a parent, and the younger children benefit from that... Parenting
40	1997	MAG	Jet	father	. KIDS SPEAK OUT In our attempt to determine what constitutes quality time between a parent and child, we sometimes forget to ask the experts. Who is better qualified
41	1993	MAG	TodaysParent	either	it " a non - violent, educational and informative game " that won a Parent's Choiceaward. A recent survey in Japan showed children who played video games longer
42	1993	MAG	TodaysParent	mother	stars, about their breaking up, starting a new life, being a single parent , " she says. " But when you're all of a sudden presented
43	1992	MAG	People	either	at night, in the years following Ruth's death, as if being a parent were a subject I could study, as if the reading itself were protective.
44	1993	FIC	Ploughshares	organization	the 1970s. They opened several other stores, but Barney's Inc., the parent company of Barneys New York, filed for Chapter 11 bankruptcy protection earlier this year
45	1996	NEWS	AP	father	parents is actively fighting the new method. #
46	1996	NEWS	CSMonitor		Michael McKeown, a San Diego parent and

					scientist at the world-renowned Salk Institute in La Jolla, says the curriculum has
				either	below \$18,000. By employing a full-time Family Support Coordinator in each center to organize parent education programs, assess families' needs, and connect families to community services,
47	1995	MAG	ChildrenToday	organization	\$12 million in assets at year-end came from investors outside of State Street and its parent , Metropolitan Life Insurance. # Van Kampen took a somewhat different tack. The
48	1997	NEWS	NYT	either	Coaches who attempt to coach the same way at various levels risk an increase in parent conflicts. # When just the parents of ODP players were compared to ODP coaches
49	1997	NF	PhysicalEduc	mother	easier to do wrong to accomplish something right. Trino's mother is a single parent with two jobs, but finds it difficult to make ends meet. Imagine the
50	1992	MAG	Astronomy	either	our meta-emotion variables to the child's physiological responses during emotion-arousing situations in the laboratory parent ? child interaction, emotioneliciting films). // Cognitive and Emotional Development May Be
51	1997	NF	Meta-EmotionHow	mother	the latest news and trivia about Episode I -- The Phantom Menace. As a parent , I am happy to take him to see this film -- not just for
52	1999	MAG	Time		

				either	And why not? What greater pleasure was there than to be licensed as a parent and visit your tiny, red offspring until he or she was fat and pink
53	1995	FIC	FantasySciFi	organization	are operating there, " says Cynthia Knobel, a spokesperson for VF Corp., parent of H.H. Cutler, one of two key contractors for Disney in Haiti. "
54	1996	MAG	USNWR	mother	Children! You children! " It was like Christmas, and she was the parent . The three of us could feel Ed's excitement and impatience. He grinned
55	1999	FIC	FantasySciFi	origin	Jupiter have been detected indirectly from the gravitational " wobble " they impart on their parent stars.) NASA wants a mirror eight meters (26.2 feet) in diameter
56	1998	MAG	Astronomy	father	. They followed 7,000 middle-aged men for 23 years and found that those with a parent who died of sudden cardiac arrest were nearly twice as likely to die of it
57	1999	MAG	Time	either	capabilities, but setting up a negative set of expectations. If you are a parent who was labelled shy as a child, your definition is likely to be coloured
58	1997	MAG	TodaysParent	organization	board executives tried to find ways to make the national churches less dependent on their parent churches abroad. This effort has
59	1995	MAG	ChristCentury		

					been extremely difficult due to the great disparity between
				either	and one fifth grade boy in the NC group. Instruction # Administration approval and parent notification took place prior to the study. The experimental teaching unit (ETU)
60	1997	NF	PhysicalEduc	duplicate	. " Being a parent, " she said tautly, " being a full-time parent means that you sometimes have to do things that your child doesn't approve of
61	1993	FIC	PlanetAdventure	father	, there was no way to research it without also destroying my credibility as a parent . # Up until this time, I'd always been candid with the caseworkers
62	1994	FIC	FantasySciFi	organization	then, the French manufacturer of the drug, Roussel Uclaf, and its German parent company, Hoechst AG, had steadfastly shied away from becoming involved in the American
63	1993	MAG	Time	either	presidential election in a row, TIME is a chief sponsor of the National Student Parent Mock Election, \$ designed to encourage youngsters to get involved in the political process
64	1992	MAG	Time	organization	countries. It is a matter of speculation just how aware of these transactions the parent corporations are. " No one sells that much Coca-Cola to Panama without knowing where
65	1996	NF	ForeignAffairs	mother	on a trip and never came back. So Rita had
66	1998	FIC	LuminousMysteries		

					pretty much been a parent despite one of them always reminding the other that she was certainly not Grim's
				either	the shadows indoors. # Karen grew fine and strong and all the things a parent wishes for a child. Gwen and I, for the first time, I
67	1995	FIC	FantasySciFi	origin	Around those planets, little moons have likely taken a similar pounding and decorated their parent worlds in a similar way. # -- By Jeffrey Kluger
68	1998	MAG	Time	mother	failure at Jiddah. Even now, writing that, I shrink; losing a parent is perhaps the most final declaration of lone responsibility. Losing my mother, however
69	1993	FIC	MovingMars	either	finding time for sex in all this psychological effort? If you're a new parent for whom sex is infrequent -- or even nonexistent -- you're not alone.
70	1997	MAG	TodaysParent	mother	out, " The Crosswalk program has made it easier for me to be a parent . "
71	1994	MAG	ChildrenToday	either	about to see were among the toys used. While the child played, the parent heard an explanation of the research. The parent signed a human subjects release form
72	1996	NF	OriginsGrammar	mother	delighted -- and, on occasion, injured -- neighborhood kids. Dorothy was the parent who tried to instill discipline and the value of
73	1999	NF	ScarsSweetParadise		

					perseverance in the children. Although
				mother	. " A warning note sounded in Anna's voice as if she were the parent . " You handed it in late, Ma. Our teacher last year always
74	1993	FIC	StrangeDevices	mother	in two different North York schools, goes to the PTA and works as a parent volunteer -- in other words a concerned, involved parent. She says the board
75	1994	MAG	TodaysParent	either	receives \$ 274 a month. # The program is mandatory for every Ohio teen parent who has custody of a child, is on welfare, and does not have
76	1993	NEWS	CSMonitor	either	they wanted to show how important it is to build a strong relationship between a parent and a child. Then Earl put their thoughts into his book, Training a
77	1999	MAG	ChildLife	origin	Apart from the results of ablaut, we distinguish relatively few morphophonemic changes in the parent language. Meillet assumed " autonomy " of the word, so that there are
78	1993	NF	TheoreticalBases	either	education at the beginning of the year. In the past, the best a parent could do was to slip in the back door through a parent organization and play
79	1991	MAG	SatEvenPost	either	Cal-N, Utah, etc) did your daughter represent last summer? # Which parent completed this questionnaire? # -- father # -- mother # (check one please
80	1997	NF	PhysicalEduc		

				organization	must be certified; # (7) Appropriate documents detailing the law school and parent institution's ownership interest in any land or physical facilities used by the law school
81	1997	NF	ABAJournal	either	in the service. Each child wears a sticker with a number. If a parent needs to be summoned during the service, the child's number is flashed on
82	1996	NEWS	WashPost	either	may not be the solution in another situation. A conflict for one provider and parent may not be a conflict for another. It's a personal call. But
83	1995	MAG	ChildrenToday	duplicate	were not expected to know more than a subset of the words.) The parent was also asked to report examples of the longer word combinations that the child used
84	1996	NF	OriginsGrammar	mother	the homework log your teacher sent with you. "
85	1992	MAG	Astronomy	either	# Both illustrations present a parent who cares a great deal about her daughter's academic success. The former, seen, there are also arguments. Be- tween children and parents, between parent and parent. There are drunken uncles. There are broken toys and sobbing aunts
86	1993	FIC	UglyWays	either	add and delete points. Then share it with an early childhood colleague or a parent . The more we talk together about how to build good working partnerships in child
87	1995	MAG	ChildrenToday		

88	1994	MAG	TodaysParent	either organization	school is perceived to be a form of abuse and it's up to the parent to disabuse the system and the rest of the community of this notion. " some serious time on death row. The network (co-owned by Time Warner-EW's parent company-and Tribune Broadcasting) hit the airwaves in 1995, the same year as UPN
89	1998	MAG	Entertainment	either	Engagement and Affect Coding Systems, a variable we have called Scaffolding/Praising. For each parent , the three positive engagement codes consisted of: (a) Engaged,
90	1997	NF	Meta-EmotionHow	either	upcoming book, Stuff It. Cost per couple (child can be accompanied by parent , grandparent or other adult) is \$ 35. # Classes will take place
91	1998	NEWS	Houston	mother	, and she knew her attitude was affecting her son, Chris. With the parent's permission, the case manager, Sue, met with school staff. While
92	1993	MAG	ChildrenToday	father	marking birthdays year after year with fishing flies or elephant statuary, long after the parent in question has grown tired of fishing or come to the conclusion that elephants are
93	1996	NEWS	CSMonitor	either	. MARY'S HOUSE - TWILIGHT A tuxedoed and smiling Ted drives up in his parent's station wagon. -- 9 -- 8 EXT. MARY'S FRONT DOOR
94	1998	FIC	Mov:TheresSomething		-
95	1997	FIC	FantasySciFi	mother	plate Mother held out to her. " I'm always

				origin	pleasantly surprised when a parent takes an interest in a child's education. " # " I have high
96	1993	MAG	NaturalHist		one yellow and one white; we discovered that all the nonmigratory females of the parent generation were white, while all the migrant females were yellow. More subtle differences
				either	of gays wards of the state if, after a divorce, the other biological parent isn't heterosexual, prohibit gays from working in certain occupations, etc. The
97	1995	NEWS	Denver		too -- if it's not relevant or not couched in language that's " parent - friendly. " A Nova Scotia mother I spoke to described herself as overwhelmed
98	1994	MAG	TodaysParent	organization) - About 340 former employees of The Pittsburgh Press who sued the newspaper's parent company for severance and vacation pay are expected to get a cut of a \$
99	1996	NEWS	AP	either	blame and obligation. It's about young lives cut short. # " Every parent shudders at the thought of the loss of a child, " says John Amato
100	1997	NEWS	USAToday		

Appendix D

Contexts for tokens with ambiguous meanings

1) Sample 78 from 1824: Grandfather → father

Father of the fatherless, I implore thee, for pity in my present distress. O! deliver me from this calamity. Open the eyes of my revered and beloved grandfather, to see the gulf of wretchedness into which his mistaken affection would plunge me. -- But if thou hast destined me to this lot, if I do wrong in opposing his desires, show me my error, and grant me fortitude and resignation to submit. In resisting the will of my earthly *parent*, I would not resist thine, my Heavenly father! Forgive me, therefore, if, in the weakness of my nature, I should resist.

2) Sample 35 from 1993: Either → mother

He thought at first he hadn't heard her correctly. " I thought if we were going to go, the sooner the better. " " What does Katie think of this? Does she even know? " " She knows. She's not happy. " " You're not going to let that stop you, are you? " Rachel tapped her foot before answering. Three times meant she was P 99 annoyed. Six times meant she was really angry. He lost count this time. " Being a *parent*, " she said tautly, " being a full-time parent means that you sometimes have to do things that your child doesn't approve of. Sometimes they have to go to bed early. Sometimes they don't get every toy they ask for. You get to be the good guy, Quinn. You get to take her for banana splits and tell her stories and buy her pets that I have to take care of. You've got the easy job.

3) Sample 38 from 1991: Mother → either

Parent burnout, what Procaccini calls " a downward drift toward physical, emotional and spiritual exhaustion, " occurs gradually as the result of chronic high stress in the family and a perceived lack of control over what is causing the stress. Its symptoms are similar to professional burnout, but it's harder to treat. # An unhappy worker can change jobs; an unhappy parent can't switch children. " *Parent* identity is many times more profound than professional identity, " says Renana Brooks, a family therapist. # Brooks, of the Sommet Institute in Arlington, says parent burnout is often mistaken for depression, but is usually more severe and harder to overcome. # Procaccini, who runs the Center for Family, Work and Education in Columbia, estimates that as many as 50 percent of parents have experienced some form of burnout.

4) Sample 57 from 1999: Either → father

LIKE FATHER, LIKE SON Each year 250,000 adults succumb to sudden cardiac death. Now French researchers say the condition is probably hereditary. They followed 7,000 middle-aged men for 23 years and found that those with a *parent* who died of sudden cardiac arrest were nearly twice as likely to die of it -- and at about the same age -- as those whose parents died of other causes.

5) Sample 76 from 1993: mother → either

Perhaps the most surprising aspect about LEAP is that it pays teenage parents to stay in school. Those who miss no more than two school days a month (without a valid excuse) get an extra \$ 62 in their monthly welfare check. Those who don't get docked \$ 62. The bonuses and sanctions can play an important role in a welfare family's income, since a mother with one child typically receives \$ 274 a month. # The program is mandatory for every Ohio teen *parent* who has custody of a child, is on welfare, and does not have a high school diploma or equivalent degree. The cost is relatively low - about \$ 300 per teenager per year. Some 20,000 teens have passed through LEAP since the program started in 1989.

Appendix E

Contexts for second-opinion validation

Categories to use

Category	Meaning defined as
Father	Male parent (or grandparent)
Mother	Female parent
Either	No discernment between male and female parent is made, or it is not possible to discern whether male or female parent is intended
Origin	The <i>parent</i> is the root or cause of something (scientific)
Organizational	<i>Parent</i> company or another type of <i>parent</i> organization
Country	<i>Parent</i> country or state
God	The Heavenly <i>Parent</i>

Contexts from the Corpus of Historical American English (COHA)

10 samples from the 1820s

1. Context of sample 3 (1820s):

And such considerations may have some effect; but the depravity that leads to the hazard of life, seldom refrains from the commission of crime by adverting to the sufferings of children. The bad citizen is most commonly a bad parent. The affliction felt by such near relations, both for the guilt and the loss of the **parent**, is unreasonably aggravated by their being thus subjected to partake, though in a different form, of the punishment inflicted, when, in common with /z/ their fellow citizens, they may have sincerely abhorred the crime. But while in this particular, opinion has been divided, all seem to have condemned, and many to have been at a loss to account for the extension of this penal principle to the destruction of the power to inherit through the person attained.

2. Context of sample 16 (1820s):

A promise sealed with the blood of the incarnate Son of God is solemn and inviolable. The obedience of Christ being complete, to the exclusion of every thing human as the /q/ meritorious cause of salvation, the promised blessings will not, can not be withheld from any who answer to the character described. Unchangeable veracity, almighty power, and godlike beneficence, all concur to forbid such an idea. We may even conceive that our Heavenly **Parent** beholds with sacred complacency the hope which he himself has implanted; a hope spring* iog from him as its source, tending towards him as its end, and embracing as its objects those eternal realities which he himself hath taught us to desire. Such th6n is Christian hope; such are its objects and such the immutable basis on which it rests. What then are its effects? for hope is no dormant principle; in the spiritual as well as moral world its operation is energetic and unceasing."

3. Context of sample 21 (1820s):

I rent the air with my cries, and shocked all about me with importunities to know whither they had carried her. They had carried her to the grave, and nothing would content me, but to visit the spot three or four times a day, and to sit in the room in which she died, in stupid and mopeful silence all night long. At this time I was only five years old, an age at which, in general, a deceased **parent** is quickly forgotten; but, in my attachment to my mother, I shewed none of the volatility of childhood. While she lived, I was never at ease but when seated at her knee, or with my arms round her neck. When dead, I cherished her remembrance for years, and have paid, hundreds of times, the tribute of my tears at the foot of her grave. My brother, who was three years older than myself, behaved in a very different manner

4. Context of sample 50 (1820s):

I told you not of my father's passionate violences, disgraceful to himself and productive of unspeakable anguish to me. Why should I revive the scene? why be the historian of my father's dishonor? why needlessly add to my own and to your affliction? My concealments arose not from the fear that the disclosure would estrange you from me. I supposed you willing to grant me the same independence of a parent's control which you claimed for yourself. I saw no difference between forbearing to consult a **parent**, in a case where we know that his answer will condemn us, and slighting his express forbidding. I say thus much to account for, and, if possible, excuse that concealment with which you reproach me. Tender and reluctant, indeed, are these reproaches, but as I deem it a sacred duty to reveal to you the utmost of my follies, what but in justice to you would be the tacit admission of injurious but groundless charges.

5. Context of sample 54 (1820s):

... quoth Heer Filkins, frappishly, as he strode away with an eager, shuffling pace, as anxious to be rid of Arnyte's importunities. " Ja! mannikin -- dis is der nonschenze do geeb beobles vor noding ven mien tinner is krowing gold, " echoed burgomaster Gelyn, and he drew his steps after those of his worthy associate -- the eyes of Arnyte followed their departure with a look of reproachful bitterness. " And these, " he murmured indignantly, " are the men my deluded and abused **parent** fostered and warmed in his confidence, little recking that they followed him but for his prosperity; these are the men that broke his bread and shared his salt, and held his wine cup to their lips, and basked in the smiles of his favour; and these he trusted, on such as these he depended, nor dreamt of cold ingratitude. Good heaven! am I deceived -- am I within the pale of civilized men, and can these things be?

6. Context of sample 60 (1820s):

Her ardent, faithful, and /z/ unwearied love to her affectionate mother, I witnessed daily for several years. Her love to her father, who died when she was about twelve years of age, I have reason to believe was, in that early period, equally intense. I had the fullest evidence that her step-father, Sir John Shaw Stewart, who proved a kind **parent** to her, was an object of her sincerest and most dutiful afflPection. Her delight in her sister has already been mentioned. To this must be added a devoted attachment to her two brothers. The memory of the younger. Captain Robert Maxwell, who died many years ago, she tenderly cherished. That the elder brother and his family were ever among the very dearest to her heart, appeared by the whole of her conduct on every occasion,

7. Context of sample 79 (1820s):

... yet, oh I entreat let not his evil deeds be heard, blot them out from the calendar of his days and spare him -- I beg it of you by the love you have borne to the protectors of your own infancy -- by your regard for your own parents in days gone by -- by the thousand ties that bound you to them while living -- by your reverence for them in death -- by the dust of their graves -- I pray you spare him, he is my **parent**; make not our home a place of desolation, widow not my mother, have mercy on him who now begs it from you -- oh! you have never had the heart of a son an you refuse me, an you deny, you never could have received or known the fond and tender blandishments, the multitudinous cares that link the parent and his offspring, or you could not hear in vain the voice of a son who pleads for his father's life -- oh!

8. Context of sample 80 (1820s):

Perchance, amid the garden's gloom Thou'lt see me pensive but unchanged, And learn to love my lasting bloom And wish that thou hadst never ranged. Brooks, Maria Gowen, 1794 or 5-1845: Song of an Indian Mother. Footnote: 1Kb from Judith, Esther, and other poems (1820) Soft in thy earthy cradle sleep, Fast falling tears thy bosom steep, Yet why, my first-born, should I weep That thou art gone? The little bird when fledged and grown, Far from its fostering **parent** flown, Must seek a sustenance alone, And many a thorn, And many a seed of bitter taste Are in the shady forest placed, And lovely fruits upon the waste Fell poisons hide. Why do the drops that dew thee, flow? At least, thou never now canst know, Of treacherous man the wiles and wo And wounded pride. The springs young buds that blighted lay, Ere yet the ripening beams of day Called forth their perfumes, pass away Like thee my son.

9. Context of sample 91 (1820s):

For size of fireplaces, see explanation of chimney-pieces. Never make the funnel less than twelve inches square, and if there is sufficient room sixteen inches is a good size where a fireplace is about four feet between the jambs. 491. txt /q/ once said to her, ** I hope, my daughter, you will one day be satisfied with rambling. " An eager thirst for knowledge is commonly the attendant, and often the **parent**, of a restless, enterprising disposition. It was so in the case of Mrs. Judson. She loved learning, and a book could allure her from her favorite walks, and from the gayest social circle. The desire for knowledge is often found in connection with moderate intellectual faculties; anri in such cases, with favorable opportunities, the individual may make a respectable pro- /z/ ficiency in learning.

10. Context of sample 92 (1820s):

My reasons for stifling these emotions, at that time, have been mentioned. It may now be asked, what effect subsequent events had produced on my feelings, and how far partaking and relieving her distresses, had revived a passion which may readily be supposed to have been, at no time, entirely extinguished. The impediments which then existed, were removed. Our union would no longer risk the resentment or sorrow of her excellent **parent**. She had no longer a sister to divide with her the property of the farm, and make what was sufficient for both, when living together, too little for either separately. Her youth and simplicity required, beyond most others, a legal protector, and her happiness was involved in the success of those hopes which she took

no pains to conceal. As to me, it seemed at first view, as if every incident conspired to determine my choice.

10 samples from the 1900s

11. Context of sample 3 (1900s):

... inquired Mr. Faringfield, looking as if he appreciated Mr. Culverson's sentiments. " Why, sir, as for that, I think' t is for you to say. " " Indeed, sir? " " Yes, sir, seeing that I'm your son, whom you're bound to provide for. " " You are twenty-two, I think, " says Mr. Faringfield. " I take it, a few paltry years more or less don't alter my rights, or the responsibilities of a **parent**. Don't think, sir, I shall stand up and quietly see myself robbed of my birthright. I'm no longer the man to play the Esek, or Esock, or whatever -- " " Esau, " prompted Fanny, in a whisper. " And my mouth isn't to be stopped by any mess of porridge. " " Pottage, " corrected Fanny. " Well, sir, " said Mr. Faringfield, rising, and holding himself very stiffly, ...

12. Context of sample 16 (1900s):

" Father, don't you know me? " " Dick! " came the almost inaudible reply. " Where -- where am I? " " You are safe, father. You fell into the river and came near to drowning. " " Is that so? I did not know there was a river near here. " Mr. Arbuckle was silent for several minutes, during which Dick continued his work and made him as comfortable as possible by wrapping his **parent** in his own dry coat. " Where is that rascal? " " What rascal, father? " " The man with the red mask -- the fellow who struck me down? " " I do not know. So you were struck down? Where? " " Just outside of the boomers' camp. Somebody brought me word that Pawnee Brown wanted to see me privately. I went, and a rascal rushed on me and demanded my private papers. I resisted and he struck me down.

13. Context of sample 21 (1900s):

... all the processes by which her boys have grown to be so strong, upright, loving, and manly. But one of her first principles has so direct a bearing on the subject that I wish to speak of here that I venture to attempt an explanation of it. She has told me that she never once, even in their childish days, took the ground that she had right to require any thing from them simply because she was their mother. This' // Is a position very startling to the average **parent**. It is exactly counter to traditions. " Why must I? " or " Why can not I? " says the child. " Because I say so, and I am your father, " has been the stern, authoritative reply ever since we can any of us remember; and, I presume, ever since the Christian era, since that good Apostle Paul saw enough in the Ephesian families where he visited to lead him to write to them from Rome, ...

14. Context of sample 50 (1900s):

In other words, the individuals best adapted to their surroundings will, on the average, be those that grow to maturity and produce offspring. To these offspring will be transmitted the favorable peculiarities. Thus these peculiarities will become permanent, and nature will have accomplished precisely what the human breeder is seen to accomplish. Grant that organisms in a state of nature vary, however slightly, one from another (which is indubitable), and that such variations will be

transmitted by a **parent** to its offspring (which no one then doubted); grant, further, that there is incessant strife among the various organisms, so that only a small proportion can come to maturity -- grant these things, said Darwin, and we have an explanation of the preservation of variations which leads on to the transmutation of species themselves. This wonderful coign of vantage Darwin had reached by 1839.

15. Context of sample 54 (1900s):

No, Kate was all right, but there was young Ryder to reckon with. It would take two in this case to make a bargain. Jefferson Ryder was, in truth, an entirely different man from his father. It was difficult to realize that both had sprung from the same stock. A college-bred boy with all the advantages his father's wealth could give him, he had inherited from the **parent** only those characteristics which would have made him successful even if born poor -- activity, pluck, application, dogged obstinacy, alert mentality. To these qualities he added what his father sorely lacked -- a high notion of honour, a keen sense of right and wrong. He had the honest man's contempt for meanness of any description, and he had little patience with the lax so-called business morals of the day.

16. Context of sample 60 (1900s):

The switchboard before us directly serves 13,176 subscribers' stations. The huge mechanism forms a sort of high dado, not only around one room, but several. This exchange, it should be noted, occupies adjacent floors in two great neighboring office buildings. On other floors are the switchboards for the toll lines and long-distance systems that connect with the other districts of the company and with all the allied companies of the **parent** corporation throughout the country. This single switchboard has over four thousand miles of receiving and transmitting wire, and go out, somewhat after the manner of the intermittent lighthouse signals strung along the coast. To describe in detail the various operations necessary to bring two persons into speaking relations would be hardly worth while here. To be really understood the process would have to be seen.

17. Context of sample 79 (1900s):

Solid nuclei within the disc would be drawn together by their attractions and form primitive planets. As the fiery nebula contracted still further other such planets would become isolated. Each of them would consist of a nucleus formed of substances that condense at very high temperatures? platinum and the like? surrounded by atmospheres containing the white-hot vapors of more volatile metals? iron, zinc, magnesium, etc. From such planets, satellites might be formed by a like process. The Moon was born of throes like these? separated from its **parent** Earth in some moment of titanic convulsion. At the beginning all the planets would be molten? shining like miniature Suns. So long as they remained liquid their cooled crusts would sink into the hot interior, and new portions of the interior would rise to take their places. The whole planet would boil, so r o say. In time continued cooling would form a permanent semi - solid crust, and the cooling of the interior would be greatly retarded.

18. Context of sample 80 (1900s):

Part II. deals with the behavior of the sea anemone and its allies; Part III deals with the results described in the preceding chapters in somewhat more general terms. Conflicting theories are weighed and analyzed. The closing chapters consider the evolution of behavior. Here the author points out that the experiences acquired by the individual may be transmitted directly to the descendants, wherever the descendants arise by direct division of the **parent's** body? a common method of reproduction of the protozoa, The wonder is, If such transmitted experience is possible, that these organisms have learned so little throughout the ages, and that still, after all their experiences, they go blundering ahead with their overproduced movements. As though appreciating this objection, the author accepts the theory of natural selection as a more probable hypothesis of the origin of the behavior than the inheritance of acquired characters ...

19. Context of sample 91 (1900s):

Upon the foundations which he laid men have begun steadily to build up that accurate knowledge of heredity which in course of time will modify profoundly our attitude towards living things. In what does the revolutionary nature of these doctrines consist? Let us take simple case. Hose-comb bantams are of two kinds, blacks and whites, and pure strains of either kind breed true. Now cross the black with the white. Instead of being of an intermediate color, the offspring are all black like the black **parent**. For this reason black is said to be dominant to white, which is spoken of as recessive. When the hybrid blacks are bred together they produce blacks and whites in the proportion of three of the former to one of the latter. The whites so formed thenceforward breed true, and throw no blacks, in spite of their black ancestry. The blacks, however, are of two kinds? (1) pure dominants, which give only blacks when mated with a white bird ...

20. Context of sample 92 (1900s):

To understand the romance of this old festival, you must know the legend of those astral divinities to whom offerings used to be made, even by, the Imperial Household, on the seventh day of the seventh month. The legend is Chinese. This is the Japanese popular version of it: -- The great god of the firmament had a lovely daughter, Tanabata-tsum'e, who passed her days in weaving garments for her august **parent**. She rejoiced in her work, and thought that there was no greater pleasure than the pleasure of weaving. But one day, as she sat before her loom at the door of her heavenly dwelling, she saw a handsome peasant lad pass by, leading an ox, and she fell in love with him. Her august father, divining her secret wish, gave her the youth for a husband.

10 samples from the 1990s

21. Context of sample 3 (1990s):

There's really not even any room for fat old Cassidy in his own store, which is why he sits on a folding chair out front all day. " Mornin' boys, how come you're not in school today? " Cassidy yelled, even though we were passing two feet away from him. " Holy day. " I jumped to answer before Monty did. The rule around town was that, like a PG-13 movie, you were not allowed to

have any contact with Cassidy unless you were old enough or were accompanied by a **parent** or legal guardian. " Oh ya, All Saints' Day, right? " Every word sounded like a cough. " You young saints gon na pray for my soul? " | " You got ta have one first, " Monty blurted. I gave Monty a little shoulder shove. " Come on, let's go. " " Hey, Fat City, whatcha got there? " Monty leaned around me and pointed at something snuffling behind Cassidy's big shoes.

22. Context of sample 16 (1990s):

Meanwhile, Jupiter and Regulus are drawing closer to Mercury as they also plunge toward the western horizon. Jupiter begins the month about 30deg from Mercury, but it is closer to the planet when Mercury disappears around mid-month. SUMMER METEORS Late July and early August generally are wonderful times of year for watching meteors. The nights are warm, and two major showers -- the Delta Aquarids and the Perseids -- join forces to produce some fabulous displays. This year the Full Moon on August 13 will interfere with the peak of the Perseids. But since the **parent** comet of the Perseids is predicted by some to return this year and since great meteor storms can often accompany the return of such a comet, this is an excellent year to watch for meteors more than once! Start watching on some clear morning in late July, around the time of New Moon on July 29. The Delta Aquarid shower has its ill-defined peak around then.

23. Context of sample 21 (1990s):

Although this procedure has an advantage in that it often utilizes movement in its visual displays, infants are notoriously difficult subjects. Although subject loss information will be given for each experiment, we describe here the criteria used for discarding data. The most obvious reason to discard a child's data was fussiness. Clearly, this decision required a judgment call. In our view, the goal was for the child and parent to have a positive experience. If the child persevered in leaving the **parent's** lap or, began to squirm and/or cry, testing was stopped. Another reason to discard data was equipment failure or experimenter error. For example, an experimenter who observed the testing from behind the parent and child discarded the child's data if the tapes were not well synchronized (i.e., one tape in a pair came on before the other).

24. Context of sample 50 (1990s):

Cuento is an ideal choice because a majority of Mexicans grow up watching lucha libre, a Latino counterpart to World Wrestling Entertainment. In it, Carlitos' father takes the boy to his first match where he learns about the tecnicos (faces) and rudos (heels). For the older reader, Diane Bertrand's (1999) novel Trino's Choice is a great selection. In his early teens, Trino must learn right from wrong in a world where it is much easier to do wrong to accomplish something right. Trino's mother is a single **parent** with two jobs, but finds it difficult to make ends meet. Imagine the discussion that will take place if a parent can say to a child, " Oh, that story reminds me of when I was your age. " # 6. FUNDING MATTERS * Think Locally: Whether large or small, businesses of the 2005 Middle East Outreach Council (MEOC) award, this book is a collection of stories about modern-day Arab teenagers living in various parts of the world.

25. Context of sample 54 (1990s):

Last week, Kernaghan kicked off a " Disney Week " of demonstrations, including one outside the Disney store on Fifth Avenue in New York, to lobby for better working conditions for Haitian and other workers making Disney products. # Unfortunately, it's not so simple. " If the Haitian government were to raise the minimum wage much higher, then they would have to wonder what that would do to the companies that are operating there, " says Cynthia Knobel, a spokesperson for VF Corp., **parent** of H.H. Cutler, one of two key contractors for Disney in Haiti. " The margin we make on those products is so slim, I'm not sure we could afford to continue to manufacture there. " # In contrast to Disney, Mattel does most of its own manufacturing. It makes a staggering 100 million Barbie dolls a year in four factories, two in China and one each in Malaysia and Indonesia.

26. Context of sample 60 (1990s):

Each group consisted of 22 participants (16 girls and 6 boys). The makeup of each group was 6 fifth graders (4 girls and 2 boys), and 8 fourth graders (7 girls, and 1 boy). Forty-two participants finished the research, 21 in each group. Two subjects did not finish the study, one fourth grade boy in the Cue group, and one fifth grade boy in the NC group. Instruction # Administration approval and **parent** notification took place prior to the study. The experimental teaching unit (ETU) was 9 school days, including pretest, treatment, and posttest. Pretesting took place during sessions one and two. Sessions three through seven (5 days) were instruction days. Post-testing was conducted on days eight and nine in exactly the same manner as the pretest. Classes began at 2:30 p.m. and lasted 30 minutes.

27. Context of sample 79 (1990s):

But they are only tactics -- tactics that may never see the light of day until the strategic problem of moving reforms through education bureaucracies and into the classrooms gets resolved. And the answer is at hand. It is called school choice. # School choice finally allows parents to enter schools through the front door and make fundamental decisions about their children's education at the beginning of the year. In the past, the best a **parent** could do was to slip in the back door through a parent organization and play catch-up with a school that had no incentive to change. # School choice is an old concept, but until recently was only within reach of the wealthy and those in the process of relocating. Ask any realtor. Regions served by good schools are the first place families start their search for new homes. And of course, the wealthy can always choose private schools for their children.

28. Context of sample 80 (1990s):

... -- commitment to winning # -- experience as a player of the sport coached # -- commitment to the development of sportsmanship # -- knowledge of prevention, care and rehabilitation of injuries the ability to teach well # -- commitment to having players enjoy their sport # -- fairness and honesty in dealing with athletes # -- providing an experience which will improve your child's chances of playing at a higher level (varsity, college, Olympics, professional) # -- What state (Alaska, Cal-N, Utah, etc) did your daughter represent last summer? # Which **parent** completed this questionnaire? # -- father # -- mother # (check one please) PREFORMATTED TABLE # GRAPH: Figure 2. Comparison of all parental responses to coaches responses on

Coach Characteristic Questionnaire # GRAPH: Figure 3. Comparison of ODP parental responses to coaches responses on Coach Characteristic Questionnaire # 746380 The practice of having certified physical education teachers also be certified to teach health is not uncommon ...

29. Context of sample 91 (1990s):

Brody's 14 books include The Kitchen Survival Guide (William Morrow & Co., \$ 22), a basic-skills primer; The Entertaining Survival Guide (William Morrow & Co., \$ 20); and several volumes in the Williams-Sonoma Kitchen Library. Her upbeat, humorous style translates well to her cooking classes, which have been popular choices at the Cooking School. # The class will focus on material in Lora Brody's upcoming book, Stuff It. Cost per couple (child can be accompanied by **parent**, grandparent or other adult) is \$ 35. # Classes will take place at the Cooking School, 6425 San Felipe. To register, call 713-954-2152. # Cucina cooking # For those who require cooking classes with a flexible schedule, La Bella Cucina offers courses for children throughout the year, including summers. On Saturdays, Veronica Bagnato, owner of La Bella Cucina, teaches a series called " Cool Kids & Parents in the Kitchen. "

30. Context of sample 92 (1990s):

Just as a family's self-image becomes distorted, so do the professionals' views of the family; thus, the strengths assessment is also used to provide a more accurate picture of the family to others. # Cindy was ready to give up. No matter what she said or did, all she heard was criticism from her son's teachers and principal. School contacts were becoming extremely anxiety provoking for her, and she knew her attitude was affecting her son, Chris. With the **parent's** permission, the case manager, Sue, met with school staff. While first listening to the litany complaints, Sue took every opportunity to point out the family's strengths, such as the parent's success at consistently providing food, clothing and shelter for her child via her steady job. # While it was true that Chris had again been suspended from school for fighting, the parent had quickly expressed an interest and consistently attended meetings when called.

Appendix F

Categorizations for validity checking and inter-rater agreement calculations

“Inter-rater reliability is the level of agreement between raters or judges. If everyone agrees, IRR is 1 (or 100%) and if everyone disagrees, IRR is 0 (0%).”
(Ducassee, 2019)

Table F. Results from validity checking and the ensuing inter-rater agreement calculations.

Rater – Inter-rater agreement \\ sample no	<i>Rater 1 (Author)</i>	<i>Rater 2</i>	<i>Rater 3</i>	<i>Rater 4</i>	<i>Rater 5</i>	<i>1/2</i>	<i>1/3</i>	<i>1/4</i>	<i>1/5</i>	<i>2/3</i>	<i>2/4</i>	<i>2/5</i>	<i>3/4</i>	<i>3/5</i>	<i>4/5</i>	<i>Agreement - fractions</i>	<i>Agreement - decimals</i>
Sample 1	either	either	either	either	either	1	1	1	1	1	1	1	1	1	1	10/10	1
Sample 2	God	God	God	God	God	1	1	1	1	1	1	1	1	1	1	10/10	1
Sample 3	mother	either	mother	mother	mother	0	1	1	1	0	0	0	1	1	1	6/10	0.6
4	father	father	father	either	father	1	1	0	1	1	0	1	0	1	0	6/10	0.6
5	father	?	father	father	father	0	1	1	1	0	0	0	1	1	1	6/10	0.6
6	father	father	father	father	father	1	1	1	1	1	1	1	1	1	1	10/10	1
7	father	father	father	father	father	1	1	1	1	1	1	1	1	1	1	10/10	1
8	origin	origin	origin	either	either	1	1	0	0	1	0	0	0	0	1	4/10	0.4
9	origin	origin	origin	origin	origin	1	1	1	1	1	1	1	1	1	1	10/10	1

10	either	organizational	either	either	either	0	1	1	1	0	0	0	1	1	1	6/10	0.6
11	father	father	either	either	either	1	0	0	0	0	0	0	1	1	1	4/10	0.4
12	father	father	father	father	father	1	1	1	1	1	1	1	1	1	1	10/10	1
13	father	either	either	either	father	0	0	0	1	1	1	0	1	0	0	4/10	0.4
14	origin	origin	origin	either	origin	1	1	0	1	1	0	1	0	1	0	6/10	0.6
15	father	father	father	father	father	1	1	1	1	1	1	1	1	1	1	10/10	1
16	organizational	organizational	organizational	organizational	origin	1	1	1	0	1	1	0	1	0	0	6/10	0.6
17	origin	origin	origin	origin	origin	1	1	1	1	1	1	1	1	1	1	10/10	1
18	origin	origin	origin	either	origin	1	1	0	1	1	0	1	0	1	0	6/10	0.6
19	origin	either	origin	either	origin	0	1	0	1	1	1	0	0	1	0	6/10	0.6
20	father	either	father	father	father	0	1	1	1	0	0	0	1	1	1	6/10	0.6
21	either	either	either	either	either	1	1	1	1	1	1	1	1	1	1	10/10	1
22	origin	??	origin	origin	origin	0	1	1	1	0	0	0	1	1	1	6/10	0.6
23	either	either	either	either	either	1	1	1	1	1	1	1	1	1	1	10/10	1
24	mother	mother	mother	mother	mother	1	1	1	1	1	1	1	1	1	1	10/10	1
25	organizational	organizational	organizational	organizational	organizational	1	1	1	1	1	1	1	1	1	1	10/10	1
26	either	either	either	either	either	1	1	1	1	1	1	1	1	1	1	10/10	1
27	either	either	either	either	either	1	1	1	1	1	1	1	1	1	1	10/10	1
28	either	either	either	either	either	1	1	1	1	1	1	1	1	1	1	10/10	1

Sample 29	either	either	either	either	either	1	1	1	1	1	1	1	1	1	1	10/10	1
Sample 30	mother	mother	mother	mother	mother	1	1	1	1	1	1	1	1	1	1	10/10	1
Mean value	0.806667																

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