Developing “Resources for Corpus Linguistics”

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This article and the resource provided here introduce the reader to corpus linguistics resources available on the web, through “Resources for Corpus Linguistics,” which the author has developed with English and Japanese annotations. Following an explanation of corpus linguistics and its usefulness, the author explains how the resource is organized and what is included in each section. “Resources for Corpus Linguistics” is included in this article. The original resource which is frequently updated can be found at http://www.cis.doshisha.ac.jp/kkitao/Japanese/library/resource/corpus/corpus.htm.

1. Introduction

1.1 Why corpus linguistics?

Corpus Linguistics is a relatively new field in linguistics and a new approach to languages. “Corpus” was defined in The Oxford English Dictionary in 1956 as “The body of written or spoken material upon which a linguistics analysis is based” Later the term “corpus” came to be used to refer to machine readable texts, and they are called “computer corpora” or “electronic corpora.”

Corpus linguistics using computers started with the Brown Corpus compiled by Kucera & Francis, which was compiled between 1961 and 1964 at Brown University in the United States. It has fifteen different text categories with 500 2000-word texts written in 1961, with a total of one million words (Leech, 1991). The results of this study were published by Kucera & Francis (1967), which formed the foundation the practice of making large electronic corpora and analyzing them by computer.

The term “corpus linguistics,” has been used frequently since Aarts & Meijs (1984), and it became well established by around 1990, which was the end of its first stage in this field. During this period, Lancaster-Oslo/Bergen Corpus (LOB) was compiled. It is a counterpart of Brown Corpus with British English in 1961 (one million words) (1970-1978). It was grammatically tagged (all words were given a word-class label) (1978-1983). While LOB Corpus was compiled, Brown Corpus was tagged (1970-1978). These taggings were parts of speech, and they contributed to studies of frequency of parts of speech (Francis & Kucera, 1982; Johansson & Hofland, 1989).

Starting in 1991, the British National Corpus (BNC) was compiled by Oxford University Press and six other organizations (1991-1994), with 90 million written words and 10 million spoken words with tags. This was opened to the European Union in 1995 and to the world in 2000. The Bank of English (BoE) was compiled by Harper-Collins and Birmingham University (1991-1995) with 200 million words for the purpose of compiling dictionaries and studying English. The BoE is still being added to, and there are more than 550 million words. These huge corpora have been used to compile dictionaries. A counterpart of BNC with American English is being compiled as American National Corpus (ANC). All these corpora are tagged for parts of speech for vocabulary and grammar analyses.

Since the middle of 1980s, specialized corpora have been compiled such as ones for Australian English, New Zealand English, Old English, Middle English, Modern English, etc., for studying individually or comparing different Englishes. Parallel corpora, corpora composed of the same texts in two different languages, have been compiled specifically for comparing two languages.

In order to process many and large corpora, concordancers, software to search in corpora and
display the results so that they can be analyzed in terms of vocabulary, grammar, and other aspects of language, were developed. Most of these tools are available for free or at a nominal fee. They are easily and cheaply available for individual users for the study of language. This makes studying corpora possible for people, such as language students and teachers, who may not otherwise have the technical knowledge or funds to do so.

Computers and the Internet have developed greatly over the past two decades. Individuals can afford to use computers and the Internet, and personal computers are faster and can store more linguistic data than even large computers 20 or 30 years ago. There are many free texts which are already electronic corpora on the Internet. There are also many CD-ROMs which have electronic texts. It is easy to make personal corpora for the purpose of analyzing it. Many corpora, including the BNC, the Brown Corpus, and the LOB are available on the Internet, and anyone can use them without charge.

Thus almost all researchers, teachers of English language, and students who study English or other languages can use and take advantage of corpora already made and concordancers that are available online. It is easy to make a corpus, tag it, and analyze it.

### 1.2 What can corpus linguistics do?

Before corpus linguistics, linguists studied grammar based on authority or native speaker intuition. However, with corpora, linguists and teachers or students of language can use actual linguistic data to show how language works. They can analyze vocabulary in terms of frequency, collocations, and grammar. They can test descriptions of grammar in a grammar book. They can describe the language and show qualitative and quantitative analyses. They can use corpora as a large dictionary or a grammar book. They can compile corpora of specific types of language and find the frequently used vocabulary and expressions as well as some grammar rules in that area of language. They can compare corpora of the speech and writing of learners of English with corpora of standard English and find out what types of errors and patterns of errors those learners make. There are many ways to look at the language using corpora.

### 1.3 Why “Resources for Corpus Linguistics”? 

Corpus linguistics has developed greatly over the past ten or fifteen years. There are many resources available on the Internet, ranging from very technical to very basic, provided by researchers and teachers of English. Some are not comprehensive and some are not specific as to how they were compiled. There is no comprehensive resource for beginners of corpus linguistics, English language teachers or students who might use concordances and corpora for language teaching or studying the English language.

The author has developed this site, “Resources for Corpus Linguistics,” mainly for researchers of English, English teachers, and students. He has gathered as much information as possible, except for highly technical resources that ordinary researchers probably would not use.

The author has classified sites into the following categories: “General resources (including lists of links),” “Online dictionaries,” “Vocabulary frequency checkers,” “Vocabulary frequency lists,” “Search engines,” “Concordancers,” “Online corpora,” “Tagging,” “Parallel corpora,” “Learner corpora,” “Training for corpus linguistics,” “Analyzing language using corpora,” and “Corpora available on the Internet (mainly non-copyrighted).” The author has put brief annotations for each link so that readers can understand what type of resource to expect.

### 2. What is “Resources for Corpus Linguistics”?

This resource includes useful links related to corpus linguistics, with annotations. It has thirteen sections. (The original resource is available at http://www.cis.doshisha.ac.jp/kkitao/Japanese/library/resource/corpus/corpus.htm and is updated frequently by the author.)

The following is a description of each section and what is included.

#### 2.1 General resources

This section includes web sites which have general resources of corpus linguistics, including lists of links.

#### 2.2 Online dictionaries

This section includes mainly English dictionaries, English-Japanese dictionaries, and Japanese-English dictionaries. They can be used to find the meanings of
specific words and find sample sentences using the
word, so that users can understand how those words
are used in context.

There are links to dictionaries, thesauruses, and
specialized dictionaries.

2.3 Vocabulary frequency level checkers
There are several sites that have vocabulary
frequency level checkers, where users enter an English
passage to find out the frequency level for each word
in the passage, using a vocabulary frequency list. This
section includes the JACET8000 word checker, an
index often used in the college level English teaching.

2.4 Vocabulary frequency lists
This section has links to the sites of different
vocabulary frequency lists. These lists are useful for
determining vocabulary levels for teaching materials or
for different levels of students.

2.5 Search engines
This section includes search engines such as Google
and the sites related to using Google for corpus
linguistics.

2.6 Concordancers
This section includes sites which have information
on concordancers and sometimes on corpora. There are
also web-based or downloadable concordancers.

2.7 Online corpora
This section includes the sites where users can
search corpora using a web based concordancer. This
section includes well known corpora such as the BNC,
the LOB, and the Brown Corpus.

2.8 Tagging
This section includes the sites where users can get
tagging software and web sites where they can cut and
paste English passages to be tagged.

2.9 Parallel corpora
This section includes Prof. Asao and Prof.
Uchiyama’s sites, where users can experience how
parallel corpora work using newspapers, passages, etc.

2.10 Learner corpora
This section includes the sites which have links and
information about learner corpora or a particular
learner corpus. Well known corpora are included here.

2.11 Training for corpus linguistics
This section includes the sites where users can learn
about corpus linguistics, how to use some
concordancers, how to make their own corpus, using
Excell and editors for corpus analysis, finding regular
expressions, and statistics. Using the links in this
section, users can understand the basics of corpus
linguistics and learn to use concordancers effectively.

2.12 Analyzing language using corpora
This section has the sites where users can change
formats and/or analyze corpora and the explanations
for using those sites.

2.13 Electronic texts (non-copyrighted corpora)
This section includes many non-copyrighted
electronic texts. A very few of them may still be under
copyright. Users can use them when they make their
own corpora.

3. How to Use “Resources for Corpus
Linguistics” Effectively
This resource is designed for corpus linguistics
researchers, English language teachers, and students. It
can be used by people who do not know anything
about corpus linguistics or even by experts.

3.1 For beginners and students
The author strongly encourages users to read
whatever material appears useful in the section
“Training for corpus linguistics” first. Some sites have
comprehensive information about corpus linguistics.

Some sites provide information for using a certain
corpus or a concordancer. Some have information
about making a corpus and doing linguistic analyses.
For Japanese-speaking people, there are some
comprehensive handouts from workshops.

For the actual linguistic analyses, “Analyzing
language using corpora” is a very useful section,
particularly for Japanese-speaking people. Those sites
explain how to organize corpora for analysis, how to
analyze them, and what corpus linguistics can actually
do.

After finishing the useful sites in those two sections,
the author suggests that users explore web sites where
certain corpora can be searched in the “online corpora”
The users will become aware of BNC, Brown Corpus, LOB, and many other corpora available online.

After getting acquainted with online corpora, the author suggests users explore “Concordancers.” The users will develop further knowledge of concordancers and how to use them effectively. They can download concordancers and use them as a linguistic analysis tool.

The author suggests skimming the “General resources” section, since it has a vast amount of information about corpus linguistics. However, it is a good idea to stick to what is necessary and useful for the user, otherwise too much information that might not be useful will be obtained.

If the user is interested in online dictionaries and vocabulary study, the “online dictionary” section is very useful. There are a vast number of dictionaries available online. Some special dictionaries are useful for certain subject areas.

If the user is interested in vocabulary frequency, “vocabulary frequency level checkers” and “vocabulary frequency lists” are useful. Using the former, words in the passage are divided into different levels of frequency. The latter explains different frequency lists.

If the user is interested in making his/her own corpus, “Electronic texts (non-copyrighted corpora)” provides a vast number of texts for study. Since most of them are not copyrighted, the user can show the actual corpus in his/her research papers.

### 3.2 For users who know corpus linguistics

Those who are already familiar with corpus linguistics can choose any section which might be useful for them. “General resources” might be very informative for anyone, and it is worth skimming it.

The sections “Online corpora,” “Training for corpus linguistics,” and “Analyzing language using corpora” are likely to be particularly useful, and it is worth skimming the sections and trying links that sound interesting. The latter two are useful for corpus studies using a personal corpus. Resources in “Electronic texts (non-copyrighted corpora)” are useful for making personal corpus.

### 3.3 For English teachers

This resource is useful for English teachers. They can take advantage of resources in the sections “Online dictionaries,” “Vocabulary frequency level checkers,” “Vocabulary frequency lists,” “Concordancers,” and “Online corpora.” These are useful for making materials or preparing for classes. Resources in “Parallel corpora” might be useful to introduce a new way of teaching English. Teachers can learn a great deal about the types of errors students make and use the information to improve their teaching by studying resources in “Learner corpora.”

## 4. Resources for Corpus Linguistics


### 4.1 General resources

- **Bookmarks for Corpus-based Linguists (by Dr. David Lee)**
  [http://devoted.to/corpora](http://devoted.to/corpora)
  
  **A well-organized searchable and browsable list of about 1000 links related to corpus linguistics. Categories include English corpora; non-English corpora; software, tools, and frequency lists; and references, papers, and journals. There are explanations of the web page and of each category. Extensively annotated.**

- **ICAME (International Computer Archive of Modern and Medieval English)**
  [http://nora.hd.uib.no/icame.html](http://nora.hd.uib.no/icame.html)
  
  **The web page of the International Computer Archive of Modern and Medieval English, whose purpose is to “collect and distribute information on English language material available for computer processing and on linguistic research completed or in progress on the material, to compile an archive of English text corpora in machine-readable form, and to make material available to research institutions.” It includes the ICAME journal, a list of links, corpus manuals, and online use of the ICAME corpus (for registered users of the ICAME CD-ROM). Unannotated.**

- **Links to corpus linguistics & related sites (by Przemek Kaszubski)**
  
  **Extensive list of links, some annotated, including such categories as downloadable software for corpus work, corpora and language teaching, and lexical and lexicographic resources.**

- **Prof. Tono’s site**
Annotated list of links, with emphasis on learner corpora.
- Phrases in English
  [http://pie.usna.edu/](http://pie.usna.edu/)
- Software for various kinds of searches of the British National Corpus, with explanations.
  [ELISA](http://www.uni-tuebingen.de/elisa/html/elisa_index.html)
- A corpus of spoken English from interviews with native English speakers, allowing users to either browse or search the corpus.
  [Corpora4Learning.net](http://corpora4learning.net/)
- A bibliography, English corpora, and tools and websites, with extensive annotations.
  [Gateway to Corpus Linguistics](http://www.corpus-linguistics.info/)
- Extensively annotated links to corpora-related resources, corpora, and so on.
  [ICT4LT](http://www.ict4lt.org/en/index.htm)
- Continually updated training modules related to information and communications technology.
  [The Complete Lexical Tutor](http://www.lextutor.ca/)
- A resource for data-driven learning, with tutorials on lexical development, annotated links to resources for teachers.
  [Corpus Linguistics](http://www.rc.kyushu-u.ac.jp/~higuchi/text7/corpus.html)
- Briefly annotated links to corpora, software, and other resources.
  [Centre for English Corpus Linguistics](http://cecl.fltr.ucl.ac.be/)
- Information about corpus linguistics, including information about conferences and other events, a bibliography, publications, etc. Unannotated.
  [Corpus Linguistics](http://www.staff.amu.edu.pl/~przemka/)
- List of links with some brief annotations.
  [Corpus Linguistics](http://www.sfb441.uni-tuebingen.de/c1/corp-ling-engl.html)
- Briefly annotated list of links to corpora in a wide variety of languages, software, and other resources.
  [Corpus linguistics, translation, and language learning](http://www.federicozanettin.net/sslmit/cl.htm)
- Briefly annotated list of links to corpus linguistics organizations, software, conferences, etc.
- Links with good explanations to various resources, including Tim Johns' concordance-based teaching and learning materials, a bibliography, various software, and other links pages.
  [Michael Barlow's Corpus Linguistics site](http://www.athel.com/corpus.html)
- Annotated links to corpora in more than 20 languages, learner corpora, and so on.
  [UCREL Home Page (Lancaster University)](http://www.comp.lancs.ac.uk/computing/research/ucrel/)
- This is the web page of a research center for corpus linguistics. It includes extensively annotated links to papers on the subject, to corpora, to search tools, to tagging tools, etc.
  [Someya's Homepage](http://www.cl.aoyama.ac.jp/~someya/)
- A list of links related to online concordancers, English for business purposes, interpretation studies, etc. (Pull-down the menu labeled “Choose and Click.”)
  [Corpus resources available in the linguistics lab](http://bulba.sdsu.edu/corpus-resources.html)
- Annotated links to corpora in English, Japanese, and Chinese.
  [Croatian Language Technologies](http://www.hnk.ffzg.hr/jthj/corpora.htm)
- Links to corpora in Croatian as well as about 20 other languages, dictionaries, corpus-related tools, information about conferences, etc.
  [Statistical natural language processing and corpus-based computational linguistics: An annotated list of resources](http://nlp.stanford.edu/links/statnlp.html)
- Uncategorized links to corpus-related resources, a few of them annotated.
  [Corpus Linguistics and Written Language Resources Bibliography](http://liceu.uab.es/~joaquim/language_resources/lang_res/biblio_corpus.html)
- An extensive list of books, articles, and other
resources related to corpus linguistics.
● Corpus Analysis - Online Resources
  http://www3.telus.net/public/mcleanky/bridgingthegap/corprecources.html
  **A well-annotated list of links.
● Corpus Linguistics
  http://plaza.snu.ac.kr/~hskwon/corpus.html
  **An unannotated list of links and textbooks related to corpus linguistics.
● Corpus Linguistics Links Guide.
  **A few annotated links related to corpus linguistics.
● Corpus Resources
  http://pioneer.chula.ac.th/~awirote/ling/corpuslst.htm#Collocation
  **A short, unannotated list of links related to collocations.
● TESL : Linguistics
  http://teslj.org/links/TESL/Linguistics/
  **An annotated list of links related to linguistics.
● English Corpora I
  http://corp.hum.ou.dk/itwebsite/corpora/corp/page3.html
  **List of links to corpora, categorized according to type of English.
● Corpora
  http://www-user.tu-chemnitz.de/~voigt/link_corpora.htm
  **An annotated list of links to a variety of corpora, divided by type.

(Sites in Japanese)

● Prof. Nishino’s links
  http://muse.doshisha.ac.jp/corpus/index.html
  **Prof. Nishino’s extensive and useful list of links related to corpus linguistics is divided into categories, including dictionaries, search engines, electronic texts, online libraries, and searchable online corpora. Partly in Japanese. Unannotated.
● Prof. Goto’s corpus linguistics and natural language processes links
  http://www.sal.tohoku.ac.jp/~gohit/textprocessing.html
  **Unannotated list of links, mostly in Japanese.
● On-Line Corpus (2004/08/03)
  http://www.kct.ne.jp/~takaie/CORPUS%20site.htm
  **Unannotated. Mostly in Japanese.
● List of perlscripts and CGI
  http://oscar.gsid.nagoya-u.ac.jp/program/perl/
  **List of links, unannotated and mostly in Japanese

● Prof. Inoue’s site
  http://lexis.ias.tokushima-u.ac.jp/
  **List of links in Japanese
● Mr. Takaie’s site
  http://www.kct.ne.jp/~%7Etakaie/
  **List of links, mostly in Japanese, some with annotations.
● Corpus linguistics links
  http://lexis.ias.tokushima-u.ac.jp/link/corpus.html
  **Unannotated links, some in Japanese, to corpora, concordance programs, etc.

4.2 Online dictionaries

● Terminology Collection
  http://www.uwasa.fi/termino/collect/index.html
  **WORD-ONLINE General Language Dictionaries · TERM-ONLINE Special Language Glossaries
● OneLook Dictionary Search
  http://www.onelook.com/
  **A site where numerous dictionaries can be searched.
● Merrian Webster OnLine
  http://www.m-w.com/
  **Searchable dictionary and thesaurus, plus other resources, such as words of the day, downloads, etc.
● The American Heritage Dictionary of the English Language
  http://www.bartleby.com/61/
  **Searchable dictionary that also includes information about regional words, English as a living language, usage notes, and Indo-European roots.
● Reference Materials for Students and Researchers
  http://www1.doshisha.ac.jp/~kkitao/online/www/referenc.htm
  **List of links to reference materials, writing resources, style sheets, search engines, etc., mostly briefly annotated.
● WordNet 2.0 Vocabulary Helper
  http://poets.notredame.ac.jp/cgi-bin/wn
  **WordNet 2.0 Vocabulary Helper is an interface to the WordNet-2.0 lexical database. Word meanings are organized in a semantic network. This interface produces a lot of output for each word.
● Roget’s Thesaurus of English Words and Phrases
  http://poets.notredame.ac.jp/Roget/
  **A reference book that was written in 1911 showing English words and phrases organized by concept.
● Spelling checker for English words
  http://poets.notredame.ac.jp/cgi-bin/spell
  **A spelling checker with interface to International
Ispell uses an American English dictionary.
- Longman Dictionary of Contemporary English Online
  http://www.ldoceonline.com/
  **A free online version of the CD-ROM that comes with the dictionary.
- Oxford Advanced Learner's Dictionary (OALD)
  http://www.oup.com/elt/catalogue/teachersites/oald7/?cc=global
  **A free online dictionary.
- Oxford English Dictionary (OED)
  http://www.oed.com/
  **A premium online dictionary.
- Middle English Dictionary
  http://ets.umdl.umich.edu/m/med/
  **For authorized users only. (premium site)
- Britannica Online
  http://www.britannica.com/
  **Encyclopedia Britannica, with a premium area with access to the full encyclopedia, a free area with "concise" encyclopedia entries, plus such features as "Biography of the Day" and "This Day in History." (premium site)
- Lexical Resources
  http://www-a2k.is.tokushima-u.ac.jp/member/kita/NLP/lex.html
  **Large, partially annotated list of links to a variety of types of resources related to words, including dictionaries, thesauruses, word frequency lists, etc.
- ROGET'S Thesaurus Search Form
  http://humanities.uchicago.edu/orgs/ARTFL/forms/unrest/ROGET.html
  **A search form for Roget's 1911 thesaurus.

(Sites in Japanese)

- ARIADNE GLOSSARIES アリアドネ 辞書・事典・用語集
  http://ariadne.ne.jp/glossary.html
  **一般・総合（百科事典・国語辞典・人名事典・辞書類のリンク集など）法律・経済・ビジネス用語エネルギー・通信用語・言語学用語（英語辞典・類語辞典・略語辞典・語・常套句辞典）
  多言語間翻訳ツール・双方向辞典・英和・和英・英仏・仏英・仏仏・仏仏|英仏・仏英・仏仏|文学用語芸術用語（音楽・美術・舞踊など）
- Internet Watch
  http://internet.watch.impress.co.jp/static/link/2004/05/21/jisho.htm
  **国語、英和、和英辞典と翻訳サービス
- オンライン辞書・辞典リンク集
  http://www.hir-net.com/link/dic/
  **国語辞典 英和 和英 英英 他言語 医学 コンピューター インターネット
  辞書のリンク
  http://www.kotoba.ne.jp/
  **英和・和国語・英英・百科事典・自動翻訳
- オンライン辞書 English Navi
  http://koho.ktplan.jp/link09.html
  **オンライン辞書のリンク集
- 辞書・事典 (Dictionaries)
  http://www1.doshisha.ac.jp/~kkitao/japanese/online/dictionary.htm
  **リンク集 / マルチ言語辞典 / 英和辞典 / 和英辞典 / 学習者辞典 / 英英辞典 シソーラス / 百科事典 / 子供向け辞典 / 日本語の辞典 / その他の辞書・事典
- O N-Line Dictionary 一覧
  http://www.kct.ne.jp/~takaie/dictionary.htm
  **Partially annotated list of online dictionaries, mostly in Japanese.
- Infoseek 翻訳
  http://www.infoseek.co.jp/
  Honyaku?pg=honyaku_top.html
- 英次郎
  http://www.eijiro.jp/
  **英和・和英
- 英辞郎
  http://www.alc.co.jp/index.html
  **英和・和英
- 翻訳から生まれた新世代の英和辞典
  http://corpus.idd.tamabi.ac.jp/yourei/index.htm
  **英和
- WebGreop for NESS 6800
  http://cow.gsdl.nagoya-u.ac.jp/program/webgrep/webgrepNESS.html
  **杉浦研究室が収集した英語英日対訳例文集に例文6800
- WebGreop (名古屋大学 杉浦研究室)
  http://cow.lang.nagoya-u.ac.jp/program/webgrep/
  **用例も豊富
- Excite 翻訳
  http://www.excite.co.jp/world/english/
  **英日・日英の両方が可能
- Infoseek 辞典
  http://jiten.www.infoseek.co.jp/
  Fiwa?pg=jiten_etop.html&col=EW
**Searchable English-Japanese, Japanese-English, and Japanese-Japanese dictionary.**
- Goo辞書
  http://dictionary.goo.ne.jp/index.html?&kind=ej

**英和・和英・国語**
- Infoseekマルチ辞書
  http://jiten.www.infoseek.co.jp/
  Eiwa？pg=jiten_etop.html&col=EW

4.3 Vocabulary frequency level checkers
- Frequency Level Checker
  http://language.tiu.ac.jp/flc/
  **A tool that tells users how frequent the words are that appear in a text (3 levels of frequency, first 1000, second 1000, and third 800, plus “other” and numbers). Produces a color-coded text, list of the number of total, types, and families for each level, as well as percentages of types and families at each level.**

- Checker
  http://language.tiu.ac.jp/flc/tool.html
  **This is the checker itself from above. Users can specify which color each level should appear in, or whether it should be invisible.**

- Web Frequency Indexer (Georgetown)
  http://www.georgetown.edu/faculty/ballc/webtools/web_freqs.html
  **A tool that produces a list of words based on how frequently they appear in the text, or alternatively all the words in the text in alphabetical order.**

- JACET 8000 LEVEL MARKER
  http://www01.tcp.ip.or.jp/~shin/J8LevelMarker/j8lm.cgi
  **A tool that tells users how frequent the words are that appear in a text (8 levels of frequency, 1000 words each, plus “other”). Produces a text with color-coded words.**

- Eva Text Analysis
  http://poets.notredame.ac.jp/cgi-bin/evatext
  **Input a text in the Text Entry Form and select output options. Eva Text Analysis can add markup for the WordNet 2.0 Vocabulary Helper, check spelling, and show word frequencies.**

- The AWL Highlighter
  http://www.nottingham.ac.uk/~alzsh3/acvocab/awlhighlighter.htm
  **A program where users can copy and paste a text and have core academic vocabulary identified, based on the Academic Word List. Users can choose the level of vocabulary to be identified.**

**An explanation of the academic vocabulary list used in the above Highlighter.**

(Sites in Japanese)
- Gakugei University TEFL
  http://www.u-gakugei.ac.jp/~tefldpt/misc/goi/level.html
  **教材に含まれる語彙レベルを測定するソフト、WEB上で処理可能。ダウンロードして使用も可能**

- 「JACET 8000語のチェック」の使用方法の解説と例
  **JACET 8000 LEVEL MARKERの使用方法**

4.4 Vocabulary frequency lists
- ESL Vocabulary: Lists
  http://iteslj.org/links/ESL/Vocabulary/Lists/
  **Annotated list of links to different types of word lists, including the 100 most commonly used English words; 5000 collegiate words, with definitions; and lists of common adjectives and adverbs.**

- The First 100 Most Commonly Used English Words
  http://www.duboislc.org/EducationWatch/First100Words.html
  **A word list with numbers but with no definitions.**

- 300 Most Commonly Used Words
  http://www.myenglishlessons.net/most_common.htm

- Word list in frequency order with no definitions and no numbers.

- 3000 Most Commonly Used Words in the English Language (USA)
  http://www.paulnoll.com/China/Teach/English-3000-common-words.html
  **Word list based on magazines and newspapers with numbers but no definitions. Includes an explanation of how the list was compiled.**

- 5000 Collegiate Words with Brief Definitions
  http://freevocabulary.com/
  **Word list in alphabetical order. Intended for SAT preparation, but not necessarily the most frequent or common.**

- The 6,318 Most Commonly-Used Words in English?
  http://www.ie.reitaku-u.ac.jp/~provo/index5.htm
  **Explanation of how the list was compiled and how it is organized, with links to a printable list or zip files.**

- The Academic Word List
**List based on families, arranged in alphabetical order with an indication of frequency (10 frequency levels of 60 families each) and by frequency (excluding the 2000 most frequent words in English).**

- The Academic Word List
  http://www.nottingham.ac.uk/~alzsh3/acvocab/wordlists.htm
- An academic word list arranged by frequency with links to exercises and an explanation of how to use concordencers; a general service list of about 2300 words.
  BNC database and word frequency lists
  http://www.itri.brighton.ac.uk/~Adam.Kilgarriff/bnc-readme.html
- Two frequency lists based on the British National Corpus.
  Word Frequencies in Written and Spoken English: based on the British National Corpus.
  http://www.comp.lancs.ac.uk/ucrel/bncfreq/
- A companion web site to the book.
  General Service List 2000 words
  http://jbauman.com/aboutgsl.html
- A list of 850 words (with some supplementary lists) that cover 90% of the concepts covered by the 25,000 words in the Oxford Pocket English Dictionary.
  University Word List 808
  http://jbauman.com/aboutUWL.html
- A list of 808 words that are common in academic texts, divided into 11 levels.
  Words and Phrases
  http://www.eslgold.com/vocabulary/words_phrases.html
- Various lists of words and phrases, divided by level and type.

(Sites in Japanese)

- Hokkaido University English Vocabulary List
  http://icarus.ils.hokudai.ac.jp/jugyo/huvl/
- 北海道大学言語文化部英語系で作られた，大学生向けの英語語彙表
- 漢籍リスト (2004/01/05)
  http://www.kct.ne.jp/~takaie/vocabulary.htm
- Unannotated list of links to vocabulary lists, mostly in Japanese.
  名大基本語 5000
  http://www.lang.nagoya-u.ac.jp/~tonoike/linda5000.html
- JACET 作製の 4000 語のリスト、また Longman の辞書で記述用に使う単語としてリストされているものを参考に、Linda Woo が作成
  杉浦リスト 高校 5776 語
  http://grad.nufs.ac.jp/sugiura/sugiuralist.html
- この語彙リストは、文部省検定教科書『英語I』（平成12年度用）48種類の使用語彙のうち、頻度 2 以上の5,776語の頻度（全体で何度現れたか）とレンジ（何種類の教科書に現れたか）と表示されている。
  アルク 12000語
  http://www.alk.co.jp/goi/index.html
- アルクの作成した12000語の語彙頻度表

4.5 Search engines

- AltaVista
  http://www.altavista.com
- A search engine that also has machine translation software.
- Google
  http://www.google.com
- One of the most widely used search engines.
- Google Directory
  http://directory.google.com/Top/Reference/Thesauri/
- List of links to thesauri, with annotations.
- open directory project
  http://www.dmoz.org/
- Annotated and organized list of links to a wide variety of subjects.

(Sites in Japanese)

- Google による用例検索
  http://infosys.gsid.nagoya-u.ac.jp/~ohna/jgl/
- Google を有効に使用した用例検索方法
- Google 検索エンジンを使用した表現チェック
  http://www1.doshisha.ac.jp/~kkitao/japanese/library/\texttt{call/google.doc}
- Google で表現を検索する、簡易な説明
- Google を使用して、KWIC 表示
  http://163.136.182.112/vxyz01/
- 依藤先生の GoogleFormatter で、Google 検索結果100例までを KWIC 表示できる。使用方法は以下の解説参照
- GoogleFormatter
  http://www.soc.hyogo-u.ac.jp/tani/GForm.html
**An explanation of how to use GoogleFormatter as a KWIC search engine.

### 4.6 Concordancers

- **Concordancing**
  - [http://www.nsknet.or.jp/~peterr-s/concordancing/](http://www.nsknet.or.jp/~peterr-s/concordancing/)
- **ICAME CORPUS MANUALS**
  - [http://khnt.hit.uib.no/icame/manuals/index.htm](http://khnt.hit.uib.no/icame/manuals/index.htm)
- **KWIC Finder**
  - [http://www.kwicfinder.com/KWiCFinder.html](http://www.kwicfinder.com/KWiCFinder.html)

**A page from which users can download a KWIC search program with explanation, advice, links to papers and presentations, etc.**

- **Tools & websites**
  - [http://corpora4learning.net/resources/materials.html](http://corpora4learning.net/resources/materials.html)
  - **Cambridge International Corpus**
    - [http://www.cambridge.org/elt/corpus/cic.htm](http://www.cambridge.org/elt/corpus/cic.htm)
  - **A Ten-step Introduction to Concordancing through the Collins Cobuild Corpus Concordance Sampler**
  - **Frame Net**
    - [http://framenet.icsi.berkeley.edu/index.php](http://framenet.icsi.berkeley.edu/index.php)

**The Berkeley FrameNet project is a lexicon-building effort for contemporary English in which we (1) select words with particular meanings; (2) describe the frames or conceptual structures which underlie these meanings; (3) examine sentences containing these words; and (4) record the ways in which the components of the sentences containing these words express information about the frames they evoke.”**

- **Frame Net を使用した論文**

**佐藤弘明先生の解説**

- **MICASE (Michigan Corpus of Academic Spoken English)**
  - [http://www.hti.umich.edu/m/micase/](http://www.hti.umich.edu/m/micase/)

**A browsable or searchable corpus of nearly two million words made up of transcripts of academic speech events.**

- **Spaceless.com**
  - [http://www.spaceless.com/concord/](http://www.spaceless.com/concord/)

**A concordancer where users can use html files as text to analyze.**

- **WebKWIC**
  - [http://prairie.lang.nagoya-u.ac.jp/program/webkwic-e.html](http://prairie.lang.nagoya-u.ac.jp/program/webkwic-e.html)

**A concordancer where users can cut and paste passages to analyze.**

- **Virtual Language Centre Web Concordancer.**

**A concordancer that allows users to search English, Chinese, French, Japanese, or parallel texts.**

- **ConcApp Concordancing Programs**

**A downloadable concordancing program that includes “full editing support and testing activities, and also word frequency text analysis” which can process most European languages and Chinese, Russian, Thai, and Japanese.**

- **How to Use ConcApp**

**A tutorial for using ConcApp.**

- **Simple Concordance Program**
  - [http://www.textworld.com/scp](http://www.textworld.com/scp)

**A concordance program that allows you to search text in various languages (and add alphabets) for words, phrases, and patterns.**

- **miniAPPolis.com Downloads**

**Free downloads of various programs useful for corpus linguistics.**

- **TextWorld.com**

**Two free downloads, a concordancing program and a collocation finding program.**

- **Child Language Data Exchange System**
  - [http://childes.psy.cmu.edu/](http://childes.psy.cmu.edu/)

**A system that provides tools for studying conversation, including transcripts, tools for coding, etc.**

(Sites in Japanese)

- **【コーパス言語学 - 主なコーパス】**
  - [http://lexis.ias.tokushima-u.ac.jp/corpus_ling/corpus02.html](http://lexis.ias.tokushima-u.ac.jp/corpus_ling/corpus02.html)
**Links to corpora with explanations in Japanese.**

- English Phrase Collection
  
  [http://epc.hp.infoseek.co.jp/](http://epc.hp.infoseek.co.jp/)

- 映画のせりふ 17 表現を検索、17 万語
  
  [http://oscar.gsid.nagoya-u.ac.jp/program/](http://oscar.gsid.nagoya-u.ac.jp/program/)

- 杉浦研究室で開発された Java, JavaScript, Perl, CGI などのプログラム
  
  [http://www.chs.nihon-u.ac.jp/eng_dpt/tukamoto/kwic.html](http://www.chs.nihon-u.ac.jp/eng_dpt/tukamoto/kwic.html)

- 杉浦研究室で開発された Java, JavaScript, Perl, CGI などのプログラム
  
  [http://www.babel.co.jp/~mtsg/corpus/kwic/kwic.htm](http://www.babel.co.jp/~mtsg/corpus/kwic/kwic.htm)

- 単語リスト、インデックス、コンコーデンス、コロケーションリストを得るソフト
  

- 単語リスト、インデックス、コンコーデンス、コロケーションリストを得るソフト
  
  [http://www.clwww.essex.ac.uk/cgi-bin/w3c/w3c](http://www.clwww.essex.ac.uk/cgi-bin/w3c/w3c)

- CAT (Corpus Analysis Toolkit)
  
  [perlのプログラムで、単語頻度、n-gram頻度、grep、KWICコンコーデンス、コロケーション（頻度順）、コロケーション（統計値）を求められます。](http://www.clwww.essex.ac.uk/cgi-bin/w3c/w3c)

- TXTANA
  

- Penn-Helsinki Parsed コーパス用検索ソフトウェア 単語を指定して、コーパスから検索をする。その際構文解析された情報を同時に取り出すことができる。

## 4.7 Online corpora

- VIEW: VARIATION IN ENGLISH WORDS AND PHRASES
  
  [http://view.byu.edu/](http://view.byu.edu/)

- Online software to search the British National Corpus that allows users to search the BNC in various ways; includes tutorials.

- BNC (sample)
  
  [http://sara.natcorp.ox.ac.uk/lookup.html](http://sara.natcorp.ox.ac.uk/lookup.html)

- Online search of the BNC, which provides up to 50 hits.

- Explore N-Grams from the BNC
  
  [http://pie.usna.edu/explore.html](http://pie.usna.edu/explore.html)

- An advanced n-gram search engine for the British National Corpus.

- Daily Newspaper Corpora
  

- An online KWIC concordancer that searches one or more newspapers in different languages.

- Business Letter Corpus Online KWIC Concordancer
  
  [http://ysomeya.hp.infoseek.co.jp/](http://ysomeya.hp.infoseek.co.jp/)

- An online KWIC concordancer that searches a choice of business letters, personal letters, letters of certain famous people, and a few literary works.

- Corpus Access
  
  [http://clwww.essex.ac.uk/cgi-bin/w3c/w3c](http://clwww.essex.ac.uk/cgi-bin/w3c/w3c)

- A KWIC program that also produces an output of sentences or paragraphs.

- Web Concordancer (English)
  

- A web-based concordancer which can be used to search corpora that are provided, such as works of literature, student writing, and newspapers.

- Search PICLE and comparable corpora
  

- Concordance that searches a choice of text, including Polish EFL students essays, UK academic textbooks, etc.

- WebCONC
  
  [http://www.niederlandistik.fu-berlin.de/cgi-bin/web-conc.cgi?sprache=en&art=google](http://www.niederlandistik.fu-berlin.de/cgi-bin/web-conc.cgi?sprache=en&art=google)

- A KIWK concordancing program that allows users to the web pages, or certain web pages, as a concordance. Options include how many pages to search, languages, the number of characters before and after, and which web pages to search.

- Corpus Search (KWIC concordance)
  
  [http://www.tooyoo.l.u-tokyo.ac.jp/~kmatsum/corpus/myconc.html](http://www.tooyoo.l.u-tokyo.ac.jp/~kmatsum/corpus/myconc.html)

- Middle English Verse and Prose
  
  [http://www.hti.umich.edu/c/cme/](http://www.hti.umich.edu/c/cme/)

- Various types of searches (simple, Boolean, proximity, etc.) for a Middle English corpus.

- Michigan Early Modern English Materials
  
  [http://www.hti.umich.edu/m/memem/](http://www.hti.umich.edu/m/memem/)

- A variety of fiction and nonfiction books and references online, including dictionaries, thesauruses, and encyclopedias.

- Michigan Corpus of Academic Spoken English (MICASE)
**A browsable or searchable corpus of nearly two million words made up of transcripts of academic speech events.**

- The Middle English Collection
  http://etext.lib.virginia.edu/collections/languages/english/mideng.browse.html
  **A searchable collection of Middle English texts (some accessible only to users from the University of Virginia).**

- Online concordancers
  http://132.208.224.131/concordancers/
  **Annotated links to four concordances in English and French.**

- Penn Treebank Online
  http://www.ldc.upenn.edu/ldc/online/treebank/
  **Searchable corpora with and without part of speech tags.**

- HTI Public Domain Modern English Collection
  http://www.hti.umich.edu/p/pd-modeng/
  **A resource compiled by the University of Michigan using mainly literature on the Internet.**

- Virtual Language Centre Web Concordancer.
  http://vlc.polyu.edu.hk/concordance/
  **A concordancer that allows users to search English, Chinese, French, Japanese, or parallel texts.**

- WebConcorder
  **A concordancer that allows users to search English, Chinese, French, Japanese, or parallel texts.**

- WebConcorder (English)
  http://vlc.polyu.edu.hk/concordance/WWWConcappE.htm
  **A concordancer that allows users to search English using various corpora, including the Brown Corpus and the LOB, as well as texts such as the Sherlock Holmes stories and student writing.**

- The Web Concordances and Workbooks
  http://www.dundee.ac.uk/english/wics/wics.htm
  **Concordances of some classic poetry, some with workbooks to help users.**

- WebCorp
  http://www.webcorp.org.uk/
  **A concordancer which makes use of Internet search engines.**

- Concordancing Software
  http://www.msknet.or.jp/~peters-s/concordancing/specs.html
  **A web site with links to various types of software that can be used to make concordances, with information about each. Some are free.**

- WordSmith Tools
  http://www.lexically.net/wordsmith/
  **Downloadable premium lexical analysis software.**

- Using WordSmith to Analyse Health Texts
  http://www.ling.lancs.ac.uk/staff/paulb/206/health.htm
  **Explanation of how to use WordSmith.**

(Site in Japanese)

- WebGrep for NESS 6800
  http://cow-lang.nagoya-u.ac.jp/program/webgrep/webgrepNESS.html
  **杉浦研究室が収集した英語学習用英日対訳例文集。6800の例文がある。**

- Shogakukan Corpus Network
  http://www.corpora.jp/
  **BNC を日本語のインターフェースで利用できる。有料**

- WebbanksOnline
  http://www.corpora.jp/~scn/wordbanks.html
  **Bank of English を日本語のインターフェースで利用できる。有料**

- TXTANA
  http://www.biwa.ne.jp/~aka-san/tour_overview.htm
  **TXTANA の解説**

- Usersmith を使ってみよう
  http://www11.ocn.ne.jp/~iskwshin/wordsmith.html
  **Worlsmith の使用方法の解説**

- Concordance
  http://www.concordancesoftware.co.uk/
  **A concordancer that can be used free for 30 days.**

- 小学館コーパスネットワーク
  http://www.corpora.jp/
  **BNC の有料検索が日本語のインターフェイスで可能**

4.8 Tagging

- Corpus Linguistics
  http://www.athel.com/corpus.html#Taggers
  **Briefly annotated list of links to tagging programs.**

- ACOPOST
  http://sourceforge.net/projects/acopost/
  **Downloadable part-of-speech tagger.**

- Apple Pie Parser
  http://nlp.cs.nyu.edu/app/
  **A parsing program available on a web page or by ftp.**

- CLAWS part-of-speech tagger for English
  http://www.comp.lancs.ac.uk/ucrel/claws/
**Information about a part-of-speech tagger for annotating corpora developed at Lancaster University, with links to academic papers.**

- Free CLAWS WWW trial service
  [http://www.comp.lancs.ac.uk/computing/research/ucrel/claws/trial.html](http://www.comp.lancs.ac.uk/computing/research/ucrel/claws/trial.html)
- Sample trial of the CLAWS program.
- Eric Brill's Tagger
- Link to a tagging program.
- OAK System
- An English analyzer that includes “a sentence splitter, a tokenizer, a POS tagger, a stemmer, a chunker, a Named Entity (NE) tagger, a dependency analyzer, a parser, a function tagger and a regularizer.” Currently in development, but interested users can email the researcher and request the software.
- SVMTool
- Information about software for part-of-speech tagging. Links to online demo and download.
- The Stanford Natural Language Processing Group
- A downloadable part-of-speech tagger.
- Statistical natural language processing and corpus-based computational linguistics: An annotated list of Resources
- A large and extensively annotated list of links to resources, including tools, corpora, and literature.
- Syntactic tree tagged corpus
  [http://kibs.kaisei.ac.kr/beginner/kbase3-e.htm](http://kibs.kaisei.ac.kr/beginner/kbase3-e.htm)
- An explanation for a tagger for Korean which expresses each sentence as a syntactic tree.
- TnT -- Statistical Part-of-Speech Tagging
  [http://www.coli.uni-saarland.de/~thorsten/tnt/](http://www.coli.uni-saarland.de/~thorsten/tnt/)
- A part-of-speech tagger that is free but subject to a license agreement. Can be trained on different languages and tag sets.
- TreeTagger - a language independent part-of-speech tagger
  [http://www.ims.uni-stuttgart.de/projekte/corplex/TreeTagger/DecisionTreeTagger.html](http://www.ims.uni-stuttgart.de/projekte/corplex/TreeTagger/DecisionTreeTagger.html)
- A downloadable part-of-speech tagger for English, German, Italian, Spanish, French and old French.
- WebTagger: Brill's Tagger を使った英語品詞タグ付け
  [http://prairie.lang.nagoya-u.ac.jp/program/dobrill.html](http://prairie.lang.nagoya-u.ac.jp/program/dobrill.html)
- A web-based tagger where users can enter text to be tagged.

### 4.9 Parallel corpora

- CRATER Multilingual Aligned Annotated Corpus
  [http://www.comp.lancs.ac.uk/linguistics/crater/corpus.html](http://www.comp.lancs.ac.uk/linguistics/crater/corpus.html)
- Parallel corpora in English, Spanish, and French, with tags.

(Site in Japanese)

- 日英対応付けコーパスの検索
  [http://www.kotonoba.net/~snj/cgi-bin/text-search/text-search.cgi](http://www.kotonoba.net/~snj/cgi-bin/text-search/text-search.cgi)
- 120 以上のパラレルコーパスを使用して検索
  [http://www2.nict.go.jp/it/a132/members/mutiyama/jea/index-ja.html](http://www2.nict.go.jp/it/a132/members/mutiyama/jea/index-ja.html)
- 読売新聞と英文読売の対訳コーパス
  [http://www.eng.ritsumei.ac.jp/asaoc/corpus/ej.html](http://www.eng.ritsumei.ac.jp/asaoc/corpus/ej.html)
- 朝尾先生のパラレルコーパス

### 4.10 Learner corpora

- Corpus of English by Japanese Learners
  [http://www.eng.ritsumei.ac.jp/lcorpus/](http://www.eng.ritsumei.ac.jp/lcorpus/)
- A corpus of Japanese learners’ English, based on tasks and topics.
- Learner Corpus around the World
- Links to corpora from learners of English from different countries.
- Learner Corpus: Resources by Tono
- Resources related to learner corpora.
- Search PICLE corpus
- Links to various resources.
- Advanced Writing in EFL
- A PhD based on corpus-based research.
- Cambridge Learner Corpus
  [http://www.cambridge.org/elt/corpus/clc.htm](http://www.cambridge.org/elt/corpus/clc.htm)
- A corpus of learner English which can only be used by users associated with CUP.
- THE LONGMAN LEARNERS’ CORPUS
- Information about the Longman Learners’ Corpus.
- JEFLL Corpus
**Description of the Japanese EFL Learner Corpus, its purpose, annotation, etc.**

- **LINDSEI: Spoken Learner Language: the Lindsei Database**
  - [http://cecl.fltr.ucl.ac.be/research%20learner%20corpora.html#lindsei](http://cecl.fltr.ucl.ac.be/research%20learner%20corpora.html#lindsei)
  - Description, with contact information, of the Louvain International Database of Spoken English Interlanguage.

- **PELCRA**
  - Information about and link to the Polish and English Language Corpora for Research and Applications.

(Site in Japanese)

- 学習者コーパスデータ
- **研究用にデータを入手できる**
- 国際学習者コーパス ICLE/LINDSEI 最新の動向
- 日本人1200人の英語スピーキングコーパス
  - [http://www.nict.aic.jp/edusys/refecorpus.htm](http://www.nict.aic.jp/edusys/refecorpus.htm)
- **世界最大規模の学習者発話コーパス**
- NICT JLE コーパス（SST コーパス）
  - [http://home.hiroshima-u.ac.jp/d052121/eigo1.html](http://home.hiroshima-u.ac.jp/d052121/eigo1.html)
- Z英語学習者コーパス No.1（中学校英語）
  - [http://www.essex.ac.uk/linguistics/clmt/w3c/corpus_ling/content/introduction.html](http://www.essex.ac.uk/linguistics/clmt/w3c/corpus_ling/content/introduction.html)
- **Improvising corpora for ELT: quick-and-dirty ways of developing corpora for language teaching**
  - [http://www.cribble.co.uk/text/Palc.htm](http://www.cribble.co.uk/text/Palc.htm)
- **A paper presented at the First international conference: Practical Applications in Language Corpora (1997), University of Lodz, Poland**
- A Ten-step Introduction to Concordancing through the Collins Cobuild Corpus Concordance Sampler
- **An introduction to how to build a corpus.**
  - Tutorial: Concordances by Catherine N. Ball
  - [http://www.georgetown.edu/faculty/ballc/corpora/tutorial.html](http://www.georgetown.edu/faculty/ballc/corpora/tutorial.html)
- **Information about using concordancing program.**
  - ICT4LT Module 2.4 Using concordance programs in the modern foreign languages classroom
- **A module on using corpora and concordancing programs in foreign language classrooms.**
  - ICT4LT Module 3.4 Corpus linguistics
- **A module introducing the student to corpus linguistics.**
  - W3-Corpora
  - [http://www.essex.ac.uk/linguistics/clmt/w3c/help/intro/start_page.html](http://www.essex.ac.uk/linguistics/clmt/w3c/help/intro/start_page.html)
- **Information about a corpora search engine, with hints about how to work with corpora.**

**Course description for seminar on corpus linguistics, including bibliography.**

- Corpus Linguistics
  - [http://bowland-files.lancs.ac.uk/monkey/ihe/linguistics/contents.htm](http://bowland-files.lancs.ac.uk/monkey/ihe/linguistics/contents.htm)
  - **A supplement to Corpus Linguistics** by Tony McEnery and Andrew Wilson. Includes information about what corpus linguistics is, its history, how it is done, and how it is used in the study of language.
  - [http://www.sal.tohoku.ac.jp/ling/corpus1/](http://www.sal.tohoku.ac.jp/ling/corpus1/)
  - **A supplement to Corpus Linguistics** by Tony McEnery and Andrew Wilson. Includes information about what corpus linguistics is, its history, how it is done, and how it is studied quantitatively.

4.11 Training for corpus linguistics

- Concordances and Corpora
  - [http://www.georgetown.edu/faculty/ballc/corpora/tutorial2.html](http://www.georgetown.edu/faculty/ballc/corpora/tutorial2.html)
  - A thorough tutorial, including information on what corpora are with examples of different types, definitions of various corpus-related terms, etc.
  - Concordancing
    - [http://www.essex.ac.uk/linguistics/clmt/w3c/help/intro/start_page.html](http://www.essex.ac.uk/linguistics/clmt/w3c/help/intro/start_page.html)
    - **Online tutorials for concordancing.**
      - EALC 222: Seminar in Corpus Linguistics Winter 2002
Corpus Linguistics
http://www.engl.polyu.edu.hk/corpuslinguist/corpus.htm
**Basic information about corpus linguistics, including what a corpus is, examples of corpora and studies, etc.

Chi Square Tutorial
http://www.georgetown.edu/faculty/balle/webtools/web_chi_tut.html
**Explanation of how to use chi square.

Web Chi Square Calculator
http://www.georgetown.edu/faculty/balle/webtools/web_chi.html
**A chi square calculator.

A few links related to Statistics Education
http://noppa5.pc.helsinki.fi/links.html#stt
**Briefly annotated list of links to information on statistics.

Free Statistical Software
http://members.aol.com/johnp71/javasta2.html
**Briefly annotated list of links to statistical software.

Log-likelihood
http://ucrl.lancs.ac.uk/litwizard.html
**A log-likelihood calculator, with an explanation.

Research Issues in Applied Linguistics
http://www.sal.tohoku.ac.jp/ling/corpus1/index.htm
**A general introduction to corpus linguistics

(Sites in Japanese)

Ant Concを使ってみよう
http://www11.ocn.ne.jp/~iskwshin/antconc.html
**石川慎一郎先生による詳しい解説

インターネットの有効利用-コーパス言語学の立場から-
**この講習会は初心者を対象とした、コーパスに関する講義の立場から

Googleによる英文例検索-全文検索型サーチエンジンを利用した用例検索
http://infosys.gsid.nagoya-u.ac.jp/~ohna/ggl/index.html
**大名先生の詳しい解説

WordSmith Tools Version 3を使って
http://lexis.tokushima-u.ac.jp/wsmith/menu.html
**WordSmith を使用した検索の解説

WordSmith Tutorials for General Users
http://leo.meikai.ac.jp/~toko/wsmith/index_g.html
**投野先生の WordSmith の活用の解説

Log-likelihood calculator
http://www12.plala.or.jp/omochi/mp3.html
**MP3、WAVE などの音声を聞いて、書き起こすのに適したソフト、スピードのコントロールや割り当てたキーでストップとスタートが可能 (無料)
4.12 Analyzing language using corpora

● Open Text Summarizer
http://libots.sourceforge.net/
**Text summarizing software, which decides which sentences are important in a passage and uses them to make a summary.
● SweSum - Automatic Text Summarizer by Martin Hassel and Hercules Dalianis
http://sweusm.nada.kth.se/index-eng-adv.html
**The user enters a text (or a URL of a text to be summarized), keywords, the type of text, the language of the text, what percentage of the text should be used in the summary, etc., and the program produces a summary.
● The Word Sketch Engine
http://www.sketchengine.co.uk/
**"The Word Sketch Engine (WSE, also known as the Sketch Engine) is a new Corpus Query System incorporating word sketches, grammatical relations, and a distributional thesaurus. A word sketch is a one-page, automatic, corpus-derived summary of a word's grammatical and collocational behaviour."

(Sites in Japanese)
● 字、単語、文、パラグラフの数：読みやすさ
**Word による解析の解説
● 語彙頻度と文に分ける
http://oscar.gsid.nagoya-u.ac.jp/program/perl/mlu2.html
**Software that provides the word frequency, the number of sentences, the number of words, and the words per sentence.
● 語彙頻度と文に分ける(解説)
**Catherine N. Ball の Web Frequency Indexer の使用方法の解説
● 文章を行を変える
**秀丸の正規表現の解説
● Text-Based Concordances (v. 2)
**手持ちのテキストのすべての語がどのように文章で現われるかを KWIC 形式でアルファベット順にリストします。
● N-Gram Phrase Extractor (v.3)
**手持ちのテキストのすべての N 語の組み合わせがどのように文章で現われるかを KWIC 形式でアルファベット順にリストします。
● KWIC,右と左のソート
http://uhuru.lang.osaka-u.ac.jp/~k-goto/web_kwic.html
**後藤氏の作で、フランス語やドイツ語にも対応
● JACET8000 語のチェックの使用方法の解説
**「JACET 8000 語のチェック」の使用方法の解説と例
● 「JACET 8000 語のチェック」の使用方法の解説と例の結果を頻度グループに分ける 解説
**JACET8000 語の表示
● JACET8000 語の頻度数検索と KWIC 表示
http://www.babel.co.jp/mtsg/corpus/kwic/kwic.htm
**KWIC Concordance for Windows (塚本 聡) の解説
田中省作氏作で、箱に英語の文章を入れれば、切れ目にスラッシュを入れて表示する。初級、中級、上級を選べる。

**コロケーション**
http://www.slacorpus.com/programs/jpn.html
永野友雅氏の製作で、5600万語のコーパスを利用して、2語のコロケーションを検索する。学習者の2語のコロケーションで、よりよいものを表示するものもある。

perlのプログラム
●トークンをレンマに (朝尾先生の公開)
http://www.eng.ritsumei.ac.jp/asao/software/lemma/
**テキストに現れるトークンをそのままレンマに置き換える場合がある。lemma.plはこのような目的に使える。
●英語と日本語の混じった文章から日本語を削除する。
**複数のテキストを同時に処理可能

4.13 Electronic texts (non-copyrighted corpora)
●4Literature
http://www.4literature.net/
**A collection of more than 2000 books, stories, poems, and documents, which can be searched or browsed by title or author。
●Alex Catalogue of Electronic Texts
http://www.infomotions.com/alex/
**A collection of documents in the public domain from American and English literature and Western philosophy, which can be searched or browsed by title or author。
●Alex Catalogue of Electronic Texts
http://www.infomotions.com/alex2/
**A full-text indexed collection of classic American and English literature as well as Western philosophy in the public domain or written or translated into English。
●The ARTFL Project
http://humanities.uchicago.edu/orgs/ARTFL/
**Literature and reference materials in French and English。
●Bartleby.com: Great Books Online
http://www.bartleby.com/sv/welcome.html
**A searchable or browsable collection of reference works, verse, fiction, and non-fiction。
●biblimania.com
http://www.biblimania.com/contents/complete53.php
**Briefly annotated list of online texts。
●Center for Electronic Texts in the Humanities
http://www.ceth.rutgers.edu/
**Annotated list of links to various online collections of texts, some open and some restricted。
●English corpora
http://www.corpora4learning.net/resources/corpora.html
**Short descriptions of and links to well-known English corpora, including American English, British English, Singapore English, English as a lingua franca, and historical English。
●Eserver
http://eserver.org/
**Briefly annotated list of links to a wide variety of texts。
●The Etext Archive
http://www.etext.org/index.shtml
**Electronic texts related to politics and religion, and e-zines, fiction, and poetry。
●The Etext Center at the University of Virginia Library
http://etext.lib.virginia.edu/
**A collection of e-texts, “including classic British and American fiction, major authors, children's literature, American history, Shakespeare, African-American documents, the Bible, and much more. Available in Microsoft Reader, PalmReader, and soon "pdf" formats.” Can be browsed or searched。
●The Humanities Text Initiative
http://www.hti.umich.edu/
**A broad collection of freely available e-texts, including versions of the Bible, research papers and reports, and public papers of American Presidents。
●ILT Digital Text Projects
http://www.ilt.columbia.edu/publications/digitext.html
**Writings of various philosophers, including Descartes, Emerson, Kant, and Locke。
●International Corpus of English
http://www.ucl.ac.uk/english-usage/ice/index.htm
**Corpora in various Englishes, available on CD-ROM or as a download。
●Internet Archive
http://www.archive.org/
**Archive of movies, music, and texts. Also has the Wayback Machine, which archives web pages。
●The Internet Classics Archive
**Browsable and searchable texts of classic literature.**
- The Library of Congress
  [http://www.loc.gov/](http://www.loc.gov/)
- **The web page of the Library of Congress, which has a wide variety of texts related to American culture and history.**
- Linguistic Data Consortium (LDC)
  [http://www.ldc.upenn.edu/](http://www.ldc.upenn.edu/)
  **A variety of corpora, some tagged or analyzed, in different languages.**
- Linguistic Data Resources on the Internet
  **List of links, some briefly annotated, to electronic text centers, digital libraries, text collections, etc.**
- List of Corpora
  [http://www.essex.ac.uk/linguistics/clmt/w3c/corpus_link/content/corpora/list/index2.html#speech](http://www.essex.ac.uk/linguistics/clmt/w3c/corpus_link/content/corpora/list/index2.html#speech)
  **List of links to speech corpora, some briefly annotated.**
- List of Corpora
  [http://www.essex.ac.uk/linguistics/clmt/w3c/corpus_link/content/corpora/list/](http://www.essex.ac.uk/linguistics/clmt/w3c/corpus_link/content/corpora/list/)
  **List of links to various corpora, mostly unannotated.**
- List of E-text Archives
  [http://lang.nagoya-u.ac.jp/~matsuoka/e-texts.html](http://lang.nagoya-u.ac.jp/~matsuoka/e-texts.html)
  **Unannotated list of etext collections.**
- Mike Nelson's Business English Lexis Site
  [http://users.utu.fi/micnel/business_english_lexis_site.htm](http://users.utu.fi/micnel/business_english_lexis_site.htm)
  **Business English words, based on corpora research for Nelson's MA thesis. Includes links to the thesis and other business English-related materials.**
- OLAC, the Open Language Archives Community
  **An archive developed by an organization whose purpose is “creating a worldwide virtual library of language resources by: (i) developing consensus on best current practice for the digital archiving of language resources, and (ii) developing a network of interoperating repositories and services for housing and accessing such resources.”**
- Online Books
  [http://home.eplus-online.de/veittes/online.html](http://home.eplus-online.de/veittes/online.html)
  **Unannotated list of links to online book collections.**
- The Online Books Page
  [http://digital.library.upenn.edu/books/](http://digital.library.upenn.edu/books/)
  **Very extensive lists of links to online books, some annotated, browsable by title and author. Also has such special features as information about “banned books” and a celebration of women writers.**
  - The Oxford Text Archive
    [http://ota.ahds.ac.uk/](http://ota.ahds.ac.uk/)
    **Browsable and searchable collection of texts, which themselves are searchable.**
  - Project BookRead
    [http://tanaya.net/BookRead/](http://tanaya.net/BookRead/)
    **A large online collection of books, browsable by author or title.**
  - Project Gutenberg
    [http://www.gutenberg.org/](http://www.gutenberg.org/)
    **An online catalogue of about 17,000 books in a wide variety of languages.**
  - SunSITE Digital Collections
    [http://sunsite.berkeley.edu/Collections/](http://sunsite.berkeley.edu/Collections/)
    **Collection of etexts, including texts on California history, online reading for classes, and government documents.**
  - Words’ Realm
    [http://www.helise.de/ix/raven/Literature/Etext.html](http://www.helise.de/ix/raven/Literature/Etext.html)
    **Mainly unannotated list of links to etexts.**
  - KidPub
    [http://www.kidpub.org/kidpub/](http://www.kidpub.org/kidpub/)
    **Web page where children can post stories they have written, read other children’s stories, discuss stories, etc. (copyrighted)**
  - American Memory Home
    [http://memory.loc.gov/ammem/](http://memory.loc.gov/ammem/)
    **Collections of documents and other writings related to various aspects of American history and culture.**
  - The Berkeley Digital Library
    [http://sunsite.berkeley.edu/](http://sunsite.berkeley.edu/)
    **An archives related to American culture and history, especially related to California.**
  - Women Writers Project
    [http://www.wwp.brown.edu/](http://www.wwp.brown.edu/)
    **A database of early modern writing by women.**

**Mass Media**
- ABC News
  **Web page of ABC news, with news stories, some news story videos, etc.**
- CNN Transcripts
  **Transcripts of CNN programs, categorized by date and program.**
- eNewswires.com
**Links to online news sites and news stories.**
- The Internet Public Library: Newspapers
- 11 Mass Media (News Sources)
- 11 Mass Media (News Sources)
- News & Periodical Resources on the Web
- News Directory
- U.S. News & World Report
  [http://www.usnews.com/usnews/home.htm](http://www.usnews.com/usnews/home.htm)

**Movies**
- Drew's Script-O-Rama
- Find-A-Script
- Movies
- Movie Scripts and Screenplays Web Ring Home Site

**Speeches**
- American Rhetoric: Top 100 Speeches by Rank
  [http://www.americanrhetoric.com/top100speechesall.html](http://www.americanrhetoric.com/top100speechesall.html)
- Speech Corpora
  [http://www.essex.ac.uk/linguistics/clmt/w3c/corpus_ling/content/corpora/list/index2.html#speech](http://www.essex.ac.uk/linguistics/clmt/w3c/corpus_ling/content/corpora/list/index2.html#speech)
- Inaugural Addresses of the Presidents of the United States

**Spoken corpora**
- TRAINS spoken dialogue transcriptions

5. Conclusion
As readers can see from browsing “Resources for Corpus Linguistics,” there are a great many resources related to corpus linguistics available on the Internet. Many of these are valuable even for users who are not professional researchers in corpus linguistics. Teachers of English and students of English can make use of these resources to better understand specific points of
the English language, to make materials, and so on.

The author hopes that both those who have had experience with corpus linguistics and those who have a potential interest in the subject will find useful resources here.

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References


