Corpus Linguistics

John Gamboa

Resources

This discussions is mostly based on

- Gries, S. T. (2009). What is corpus linguistics?. *Language and linguistics compass*, 3(5), 1225-1241.
- Gries, S. T. (2012). Corpus linguistics, theoretical linguistics, and cognitive/psycholinguistics: Towards more and more fruitful exchanges. In *Corpus Linguistics and Variation in English* (pp. 41-63). Brill Rodopi.

A lot is also based on the Chapter 2 of the NLTK book.

Resources

Example applications of Corpus Linguistics can be found in

- J Garcia-Lopez, L., B Díez-Bedmar, M., Perez-Paredes, P., & Tornero, E. (2011). Treatment change in adolescents with social anxiety disorder: Insights from corpus linguistics. *Ansiedad y Estrés*, 17.
- Al-Mosaiwi, M., & Johnstone, T. (2018). In an absolute state: Elevated use of absolutist words is a marker specific to anxiety, depression, and suicidal ideation. *Clinical Psychological Science*, *6*(4), 529-542.

What is Corpus Linguistics?

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  - *Computer Corpus Linguistics* "defines not just a newly emerging methodology for studying language, but a new research enterprise, and in fact a new philosophical approach to the subject"

    (Leech, G. (1992). Corpora and theories of linguistic performance. *Directions in corpus linguistics*, 105-122)

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Corpus (plural: Corpora)

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understand phonological reduction by Californian adolescents

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- *Include their conversations with parents, teachers, … ?*

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- Naturally occurring
  - “*the texts were spoken or written for some authentic communicative purpose, but not for the purpose of putting them into a corpus*”

Additional Corpus data

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dynamic/monitor: *“may be constantly extended with new material”*

Types of Corpora

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raw:

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raw: *“files only containing the corpus material … (and maybe metadata and markup)”*

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raw: *“files only containing the corpus material … (and maybe metadata and markup)”*

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annotated: *“also contain information about the language data in the corpus part, information that represents a particular linguistic analysis”*

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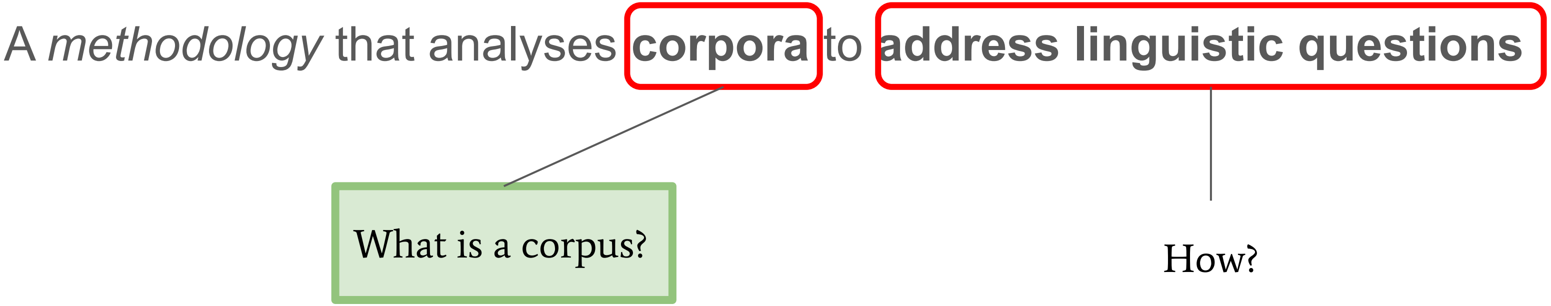

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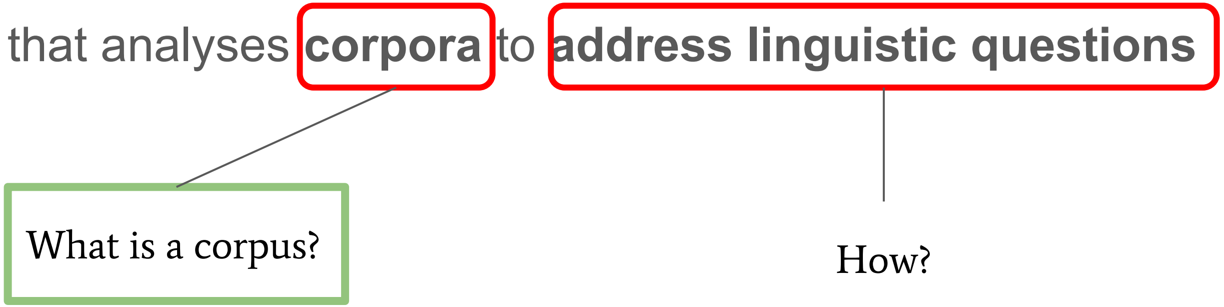

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“different frequencies of (co-)occurrences of formal elements … are assumed to reflect functional regularities, and ‘functional’ is … anything … that is intended to perform a particular communicative function”

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We control for all sorts of frequencies in psycholinguistic studies