

Here are suggestions for the final projects. Ideally, team up into groups of 2-3. It is not a problem if different groups work on the same paper/chapter. But in that case, please work completely independently.

The suggestions below are grouped into (1) chapters from the [problang.org](http://problang.org) book that we will not cover in class, (2) papers with a more theoretical/empirical flavor, and (3) papers with a more technical/applied/NLP flavor. If you like WebPPL, a chapter from the book would be a natural choice. If you like theoretical linguistics or experimental work, gravitate to the second category. If you like computational linguistics and applications, check out the last category first.

The stars indicate (MF's beliefs about) the relative difficulty of each paper/chapter.

Chapters from [problang.org](http://problang.org):

- \* Chapter 4: **Scope ambiguity**
  - e.g., "Every ten minutes a man gets mugged in NY city." vs "Every ten minutes a light blinks to indicate proper functioning."
- \*\* Chapter 6: **Plural predication**
  - e.g., "The boxes are heavy." -> Each one or all together, or?
- \*\*\* Chapter 7: **Generics**
  - (e.g., "Mosquitos carry malaria." -> how many in do in fact carry malaria?)
- \*\*\* Appendix 8 : **Bayesian Data Analysis in WebPPL for Reference Games**

General Stuff:

- \* Peloquin, Goodman, & Frank (2020) **The interactions of rational, pragmatic agents lead to efficient language structure and use:** <https://cogsci.mindmodeling.org/2019/papers/0171/0171.pdf>
- \*\*\* Khani, Goodman, & Liang (2018) **Planning, inference and pragmatics in sequential language games:** <https://www.aclweb.org/anthology/Q18-1037.pdf>
- \* Yuan, Monroe, Bai, & Kushman (2018) **Understanding the rational speech act model:** <https://wmonroeiv.github.io/pubs/yuan2018understanding.pdf>
- \*\* Ciyang Qing and Reuben Cohn-Gordon (2019): **Use-conditional meaning in Rational Speech Act models:** <https://semanticsarchive.net/Archive/Tg3ZGI2M/Qing.pdf>
- \* Alexandra Carstensen, Elizabeth Kon and Terry Rieger (2014): **Testing a rational account of pragmatic reasoning: The case of spatial language:** <https://lclab.berkeley.edu/papers/pragmatics-2014.pdf>

- \*\*\* R. Cohn-Gordon, N. Goodman, C. Potts (2018): **An Incremental Iterated Response Model of Pragmatics**: <https://www.aclweb.org/anthology/W19-0109/>
- \*\*\* Lucas Champollion, Anna Alsop and Ioana Grosu (2019): **Free choice disjunction as rational speech act** : <http://journals.linguisticsociety.org/proceedings/index.php/SALT/article/view/29.238/4274>
- \* Judith Degen, Michael Henry Tessler and Noah D. Goodman (2015): **Wonky worlds: Listeners revise world knowledge when utterances are odd** : <https://cogsci.mindmodeling.org/2015/papers/0103/index.html>

Connection to NLP:

- \*\*\* Monroe & Potts, arXiv 2015; **Learning in the Rational Speech Acts model**: <https://arxiv.org/pdf/1510.06807.pdf>
- \* Andreas & Klein (2016) **Reasoning about pragmatics with neural listeners and speakers**: <https://www.aclweb.org/anthology/D16-1125.pdf>
- \*\* Monroe, Hu, Jong, & Potts, NAACL-HLT 2018 **Generating bilingual pragmatic color references**: <https://nlp.stanford.edu/pubs/monroe2018bilingual.pdf>
- \*\* Vogel, Emilsson, Frank, Jurafsky, & Potts (2014) **Learning to reason pragmatically with cognitive limitations**: <https://nlp.stanford.edu/pubs/cogsci2014vogel.pdf>