Project Milestone

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March 1, 2018

Major Changes

There have no major changes to my project.

Accomplishments

Since the last meeting, I’ve moved my code onto a PCF machine so I no longer need to run it locally. I’ve also started testing my hypothesis by creating different test sets of languages which share common properties. For example, I’ve grouped languages that share head-final traits, or languages that have the save subject verb object ordering, etc. With each of these set of languages, I’ve recorded the accuracy of the parser on the dev data.

Meeting Milestone

I think I have met my intended milestone because I have started testing different hypothesis and have come up with the initial experimental results.

Surprises

The parser, when trained on Spanish, Italian, French, and Portuguese, performed worse on Spanish than it did with only Spanish and French. This is surprising because the grammatical structures between Spanish and Portuguese are very similar, and Spanish is also more similar to Italian and French. However, it is possible that the combination of languages creates ambiguity for the parser.

Looking Ahead

I have mostly only looked into subsets and testing on Spanish. In the next few weeks, I plan on extending the experiments to more languages and doing more testing on languages that share
similar WALs or syntactic structures properties.

Revisions

I don’t have any major revisions yet, but I have also have not had the chance to closely analyze all the experimental results. Depending on what we find, I may look further into a specific subset of languages features.

Resources

I contacted the author of the paper of the parser that I’m using in order to figure out how to run the parser properly with the correct parameters.