CS288 HW3: Parsing

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Due: 16 March 2022, 11:59PM PST

Overview

This homework will be focused on parsing. Note that this homework is intended to be easier than HW1 and HW2 and is therefore on a slightly condensed timeline. This homework is a mostly un-modified version of the parsing homework used in previous iterations of this class.

Background Reading

Please checkout the following resources before beginning this assignment:

- Constituency Parsing: `https://web.stanford.edu/~jurafsky/slp3/13.pdf`

- Attention Is All You Need: `https://arxiv.org/abs/1706.03762`

Assignment

Notebook: `https://www.kaggle.com/nickatomlin/cs288-hw3-public`

- Complete the the notebook and save the generated files

- Write an error analysis of the parsing model (details in notebook)

Submission to Gradescope

Please submit the assignment to: `https://www.gradescope.com/courses/361823/` (code: 4PBP57)

When you upload your submission to the Gradescope assignment, you should get immediate feedback that confirms your submission was processed correctly. Be sure to check this, as an incorrectly formatted submission could cause the autograder to fail. In particular, please make sure that you're zipping your files and not the folder containing them. Note that Gradesope will allow you to submit multiple times before the deadline, and we will use the latest submission for grading. Make sure you have the following files (with correct names and extensions):

- `dev_predictions_tagger_only.txt`
- `dev_predictions_parser_only.txt`
- `dev_spans.txt`
- `test_predictions.txt`
- `hw3.ipynb`
- `report.pdf`