# Project Progress Report: r/AmItheAsshole Sentiment Analysis

**Team Information:**

*Captain (solo project):* Samantha Ernst (sdernst2)

**Progress:**

### Completed tasks:
- Got set up with PRAW (Python Reddit API Wrapper) to get comments from specific Reddit posts.
- Completed part of the pre-processing (removing judgements from comments, removing punctuation).
- Counted totals of each judgment and displayed them in a bar graph.

### Pending tasks:
- Finish properly pre-processing the comments (taking out stop words, etc.) in order to prepare it for sentiment analysis.
- Set up emotion detection sentiment analysis using NRCLex with visualization for top emotions.
- Implement word cloud with coloring based on NLTK VADER lexicon sentiment analysis.

### Challenges:
- Struggled with getting Selenium set up in Colab and getting Beautiful Soup to correctly recognize classes. Ended up deciding to use PRAW for maximum simplicity and efficiency.
- Wasn't satisfied with the way the pie chart was displaying the data for judgment counts, ended up deciding to use a bar graph instead (also shows counts for each bar, allows comparison between sizes, neater structure and labels, etc.)