

1. Introduction
  - (a) Which features to include
  - (b) Which answers to include
  - (c) How important is each feature
  - (d) Summary
2. Contribution
3. Challenges
  - (a) Time
    - i. Efficiency
      - A. Runtime
      - B. Errors
    - ii. Other Approaches
  - (b) Verifying the methodology
    - i. Scores in test did not correlate as well as expected
      - A. Possible overfit?
      - B. Do only test set features matter?
4. Review vs total
  - (a) Remarkable with no libraries
  - (b) Words, IR Qanta, and Bigrams
    - i. No character Level scores
5. Error Analysis
  - (a) Naive Bayes-ish
    - i. Assuming all features same importance
  - (b) Statistical and Probabilistic Breakdown
    - i. IR Scores are terrible for Science and Social Categories
  - (c) Certain Features More important
    - i. Deciding it was important to set our own weights
  - (d) Weight Maximization
    - i. Hard coded weights were not sufficient, programmatically determine weights

## 6. Linguistic Motivation Behind Features

- (a) Based on our previous assignment - bigrams

## 7. Other Approaches

- (a) SciKit
- (b) NLTK MaxEnt
- (c) WikiGrab