



WORKFLOW:

- Ensemble of various algorithms:
  - WordNET similarity.
  - Spacy similarity.
  - Bag of words score.
  - NER-Based similarity.
  - Bi-grams score.
  - Tri-grams score.
  - Jaccard similarity.
  - Cosine similarity.
- Implemented QUARC rule-based system.
- Calculate NER-based score.
- Focused more on recall [RECALL - 0.6447, PRECISION - 0.3545, F-SCORE - 0.4575]

WHAT WORKED WELL :

- Focus on recall.
- Golden NER rules to improve recall.
- Ensemble of algorithms helped boost recall.

WHAT DIDN'T WORK WELL:

- Implementing coreference resolution, but it didn't work well while predicting the answers.
- Implementing dependency parsing.

SCOPE OF IMPROVEMENT:

- Focus more on precision.
- Implement co-reference in a better way.
- Create more NER rules.
- Weight based on ML algorithms.

TOOLS USED:

- SPACY
- NLTK
- WORDNET

