COMP 472 Mini-Project 3

By Solo Cup

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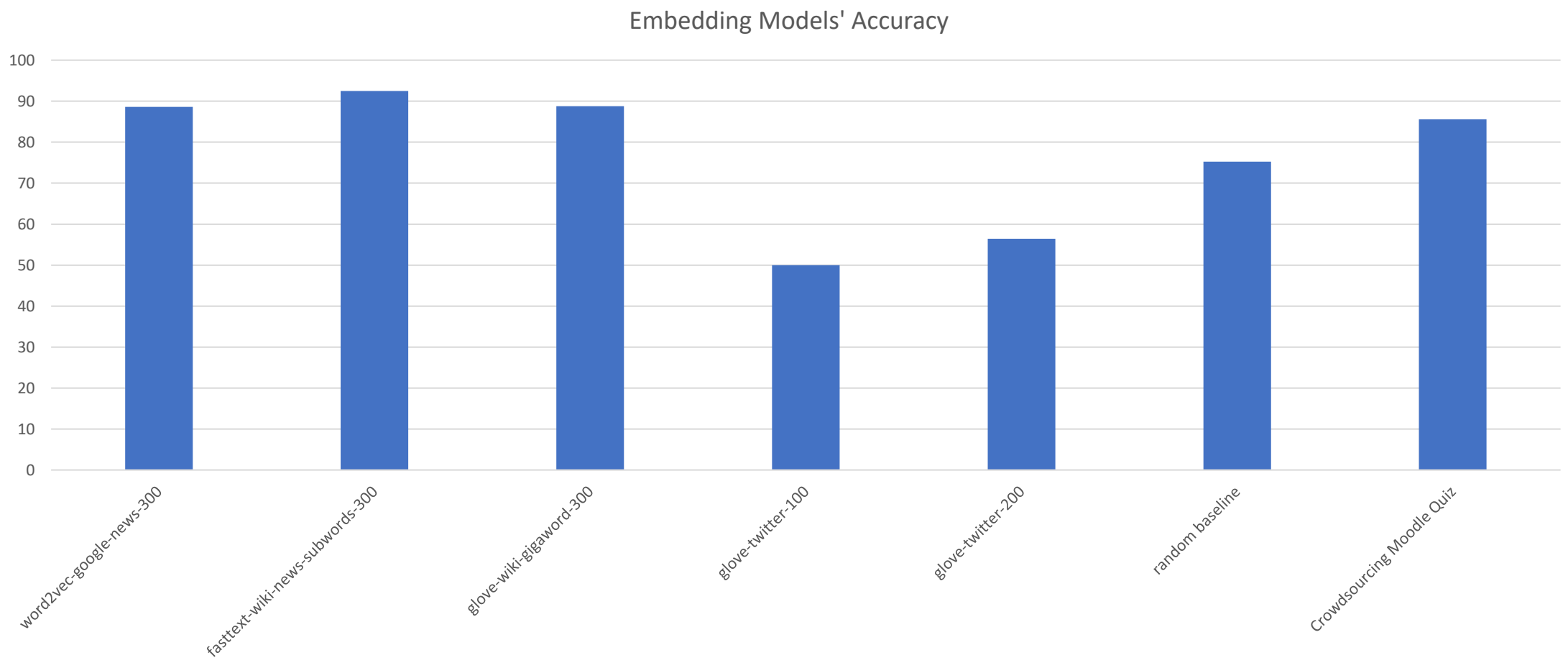
Comparing Models

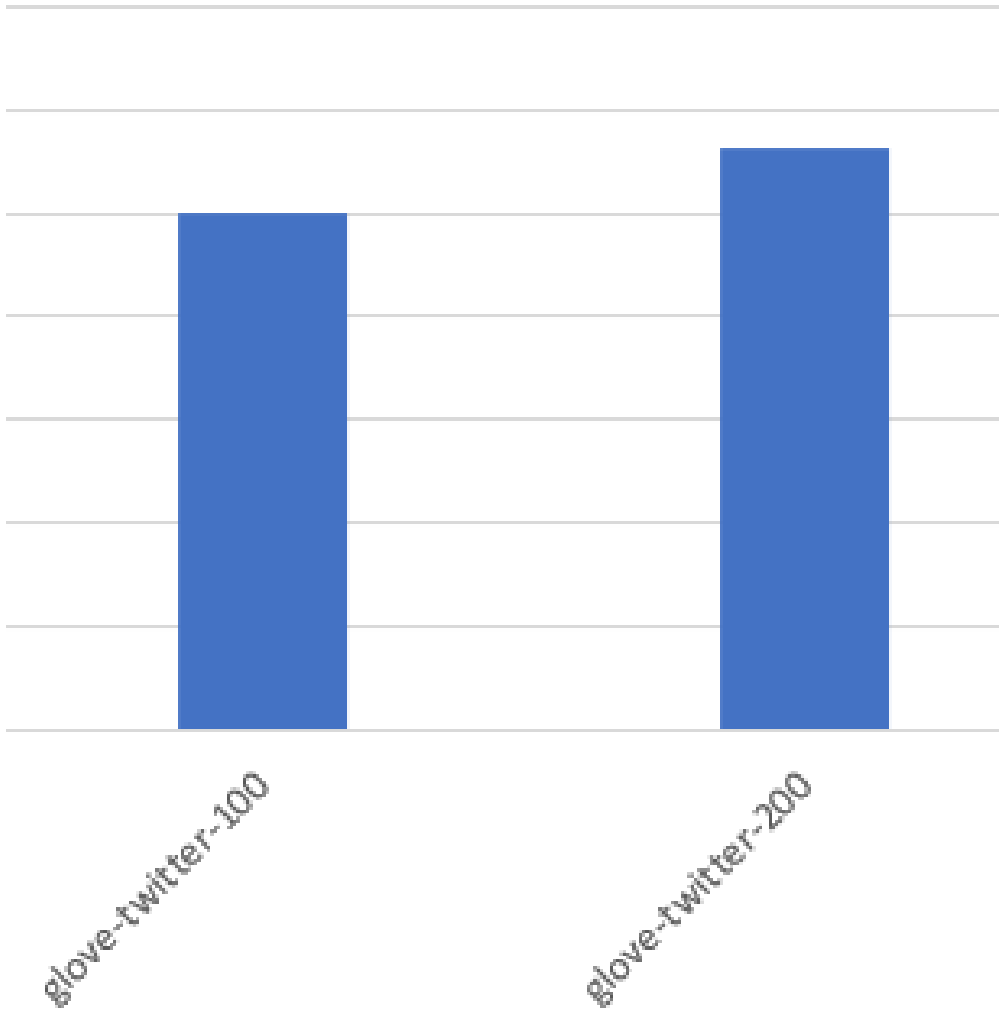


Random Baseline

- Average of analyzed embedding models' accuracy
- Another way to do it is to get most frequent synonym chosen by each embedding model and comparing these choices to the correct answer, then extracting final accuracy as a "random baseline" model
- The above would be called the ZeroR baseline

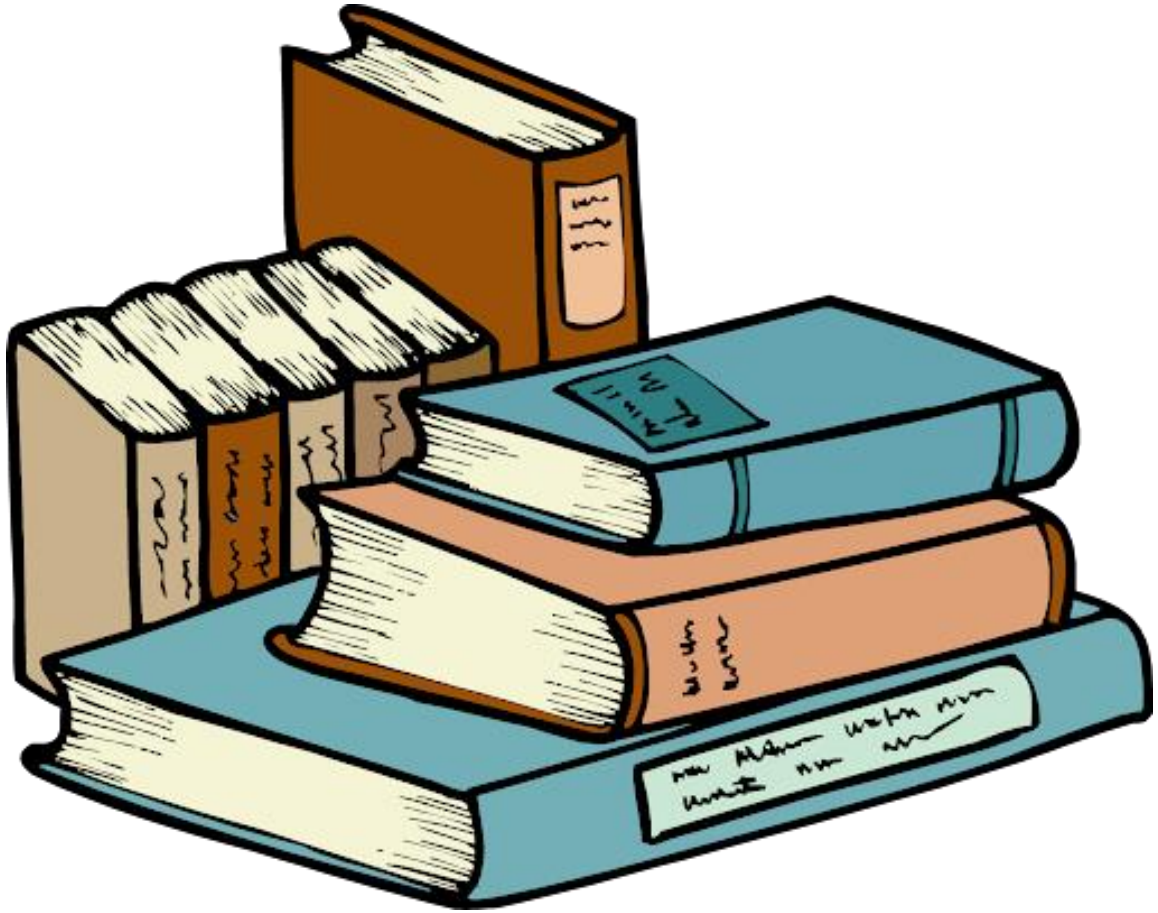
Embedding size

- Larger embedding sizes mean a bigger matrix or points in an n-dimensional space
- More space allows more accurate placement of word vectors



Why did some models perform better?

- Some reasons I can think of are:
  - Trained on better corpus
  - Trained with better functions
  - Trained with supervision
- Some things to consider:
  - Results may vary with another test
    - E.g. different synonyms, or predicting words



Factors that don’t seem to affect results

Vocabulary