4 additional models were used: fasttext-wiki-news-subwords-300, glove-wiki-gigaword-300, glove-twitter-100, and glove-twitter-200.

According to the Accuracy graph, there is no overall relation between the vocabulary size of a model and its accuracy, as our 2nd smallest model had the best accuracy, the smallest model had the second-best accuracy, and the biggest model had the next best accuracy.

The embedding size, however, does matter, as all the models with an embedding size of 300 have an accuracy close to 90% or above, while the model with an embedding size of 200 has an accuracy close to 74%. The model with the smallest embedding size of 100 has the lowest accuracy of 65.22%.

Between the 3 models with an embedding size of 300, there is no relationship between the size of the vocabulary and the accuracy.

Between the 2 models with the same corpus (glove-twitter), but different embedding sizes, the relationship between embedding and accuracy seems to be confirmed, as the model with an embedding of size 100 has an accuracy that is roughly 8% lower than one for the model with an embedding size of 200.

Interestingly, the number of guesses changes more with the model/corpus than the embedding size, as all models with an embedding size of 300 did not guess 78 to 79 times, while the two 100 and 200 models based on the same corpus did not guess 69 times.