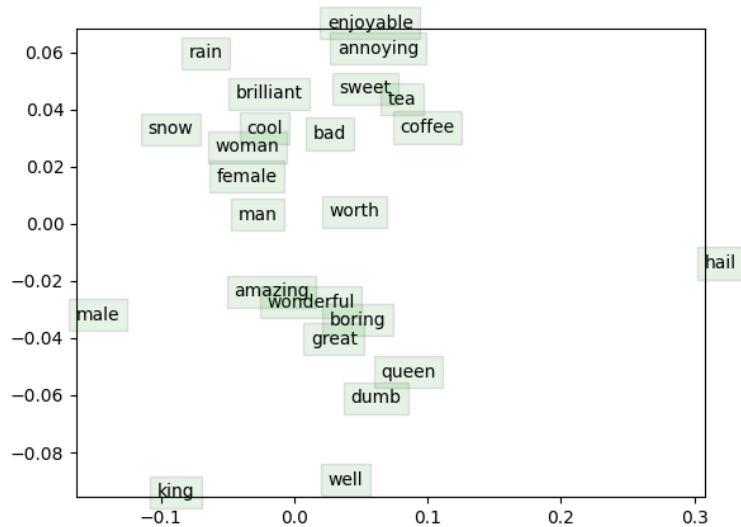Coding part:

As it is seen, related words are almost clustered together: rain, snow/ tea, coffee/ amazing, wonderful, boring, great. Moreover, the semantic pattern is almost seen in this plot: male as king, female as queen. Some of the embeddings are not as good as expected (for example male should be clustered with woman, female, man); it is related to the corpus that we have trained on.