• What are the closest five (5) words to 'she' and 'queen' in the two different source texts?

## First Layer Embeddings:

Closest Words to Test Word (she): ['the', 'she', 'royal', 'queen', 'king', 'is', 'he']

Closest Words to Test Word (queen): ['the', 'she', 'royal', 'queen', 'king', 'is', 'he']

Second Layer Embeddings:

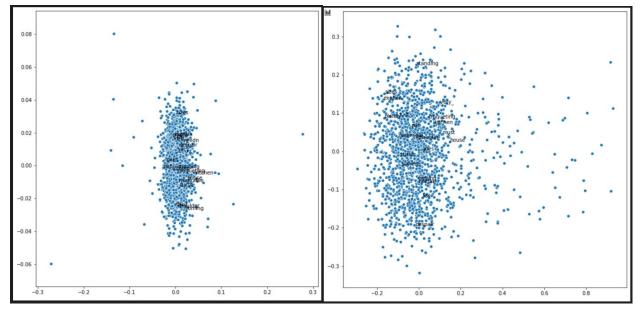
Closest Words to Test Word (she): ['the', 'she', 'royal', 'queen', 'king', 'is', 'he']

Closest Words to Test Word (queen): ['the', 'she', 'royal', 'queen', 'king', 'is', 'he']

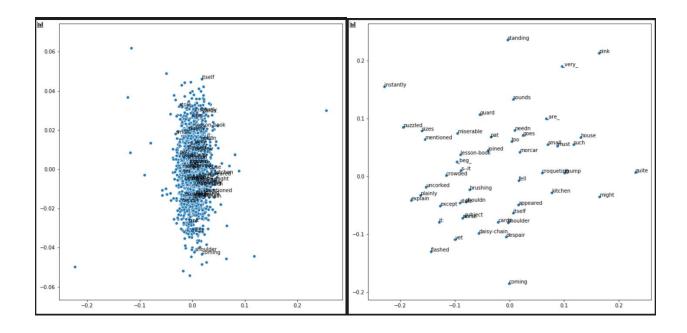
'the', 'she', 'royal', 'queen', 'king',

'the', 'she', 'royal', 'queen', 'king'

• Does the embedding from the first or second layer work better for your model on the first text? Use the plotting images at the bottom to justify your answer.



FC1 FC2



FC1 FC2

From the image, I think FC1 is better.