Assignment 2(b)

Q1: Find names in the name corpus that are ambiguous for male and female gender?

Q2: Investigate the holonym-meronym relations for some nouns. Remember that there are three kinds of holonym-meronym relation, so you need to use member_meronyms() , part_meronyms() , substance_meronyms() , member_holonyms() , part_holonyms() , and substance_holonyms() .

Q3: Define a conditional frequency distribution over the Names Corpus that allows you to see which initial letters are more frequent for males versus females?

Q4: Define a function supergloss(s) that takes a synset s as its argument and returns a string consisting of the concatenation of the definition of s , and the definitions of all the hypernyms?

Q5: The polysemy of a word is the number of senses it has. Using WordNet, we can determine that the noun dog has seven senses with len(wn.synsets('dog', 'n')) . Compute the average polysemy of nouns, verbs, adjectives, and adverbs according to WordNet.