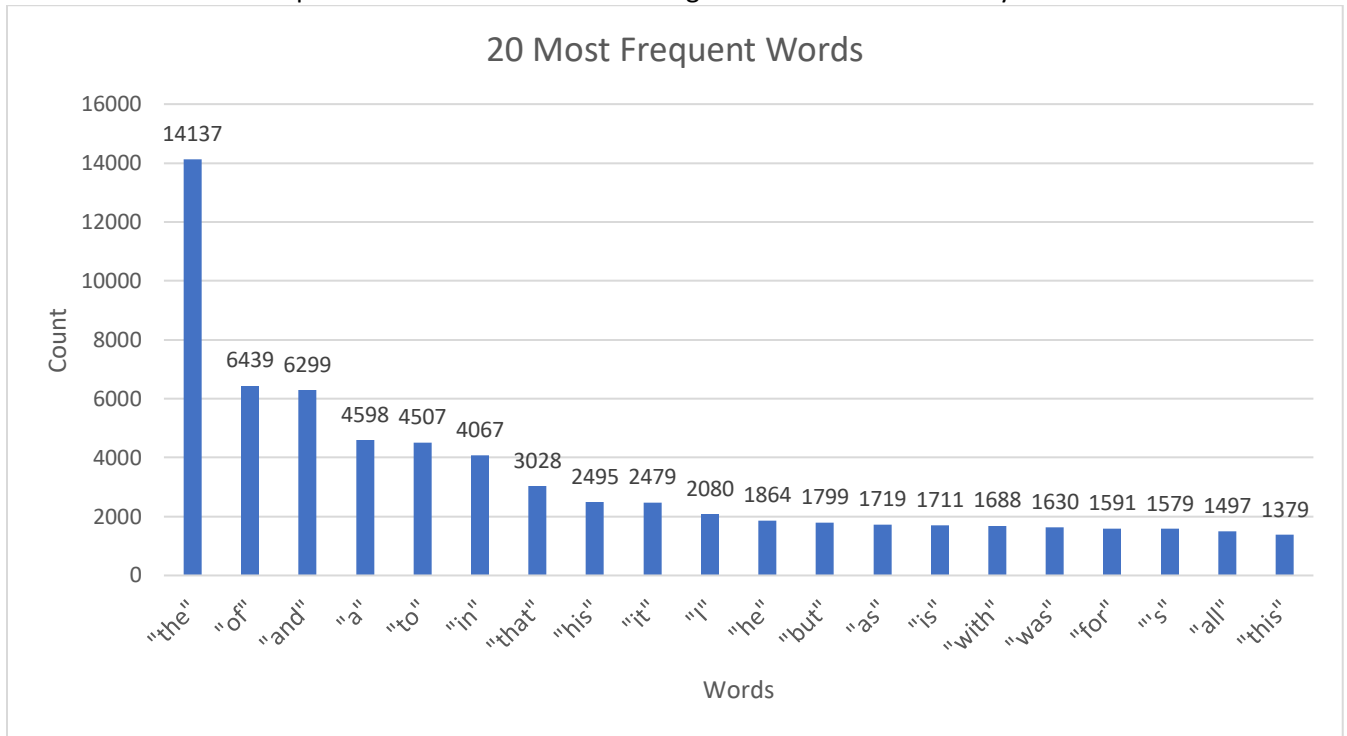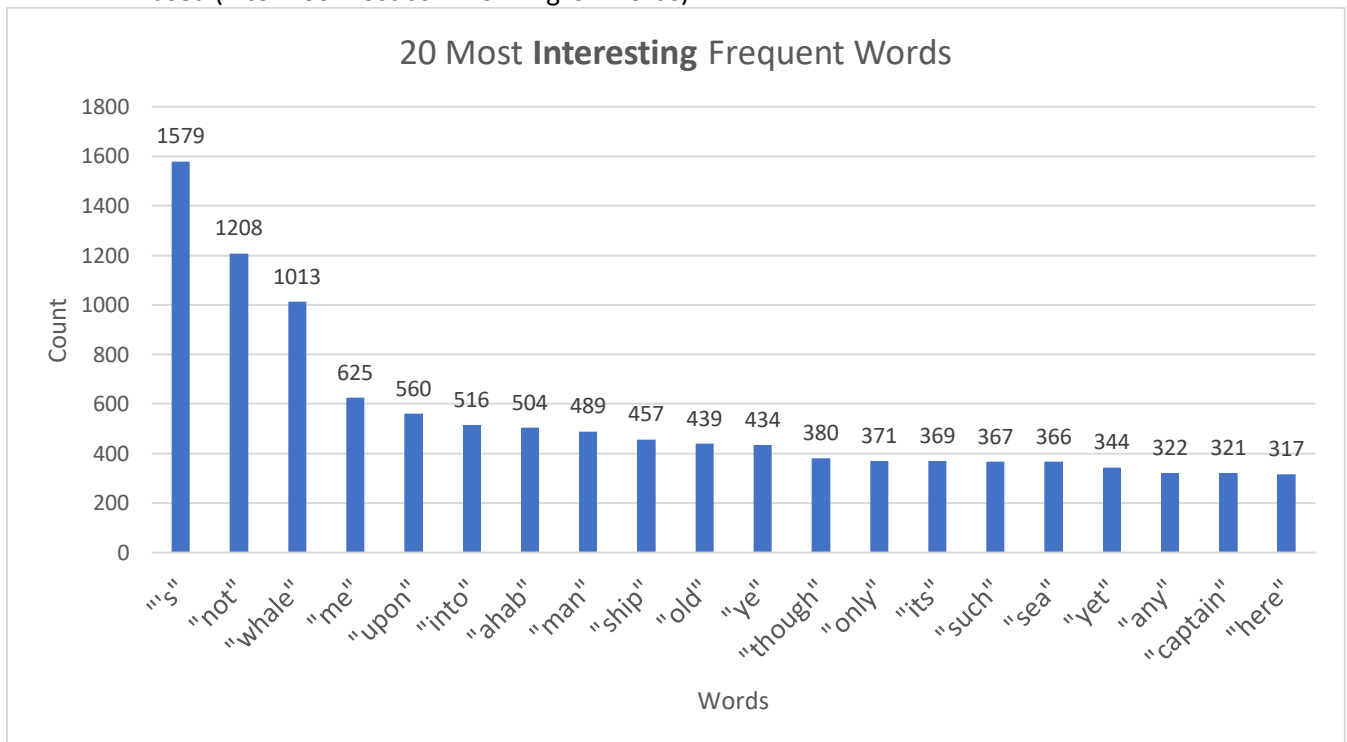# Project Gutenberg Analysis

i.   Title of the novel
       Moby Dick; Or, The Whale by Melville, Herman

ii.   Total number of words in the novel
       211719

iii.   Total number of unique words in the novel
       18220

iv.   20 most frequent words in the novel including the number of times they were used

20 Most Frequent Words

Word	Count
"the"	14137
"of"	6439
"and"	6299
"a"	4598
"to"	4507
"in"	4067
"that"	3028
"his"	2495
"it"	2479
"I"	2080
"he"	1864
"but"	1799
"as"	1719
"is"	1711
"with"	1688
"was"	1630
"for"	1591
"'s"	1579
"all"	1497
"this"	1379

v.   20 most INTERESTING frequent words in the novel including the number of times they were used (filter 100 most common English words)

20 Most **Interesting** Frequent Words

Word	Count
"'s"	1579
"not"	1208
"whale"	1013
"me"	625
"upon"	560
"into"	516
"ahab"	504
"man"	489
"ship"	457
"old"	439
"ye"	434
"though"	380
"only"	371
"its"	369
"such"	367
"sea"	366
"yet"	344
"any"	322
"captain"	321
"here"	317

vi.   20 least frequent words in the novel including the number of times they were used

('lath', 1)	('reefs', 1)
('pier-heads', 1)	('manhattoes', 1)
('spiles', 1)	('cato', 1)
('sentinels', 1)	('philosophical', 1)
('whitehall', 1)	('hypos', 1)
('coenties', 1)	('drizzly', 1)
('corlears', 1)	('circulation', 1)
('circumambulate', 1)	('regulating', 1)
('water-gazers', 1)	('spleen', 1)
('downtown', 1)	('loomings', 1)

vii.   From Step 3, a specific word you found that had an interesting pattern usage through the book. Include the word and it's frequency of usage for each chapter in the novel. Write a one sentence summary about why it's pattern was worth noting.

Word = 'Ahab'

[0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 19, 0, 2, 5, 1, 3, 4, 0, 0, 0, 0, 2, 11, 8, 4, 6, 0, 3, 15, 0, 26, 2, 1, 0, 1, 15, 1, 0, 15, 0, 13, 3, 12, 0, 8, 5, 3, 1, 1, 0, 0, 0, 0, 4, 0, 2, 0, 0, 3, 0, 0, 0, 0, 0, 3, 10, 0, 3, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 7, 0, 0, 0, 3, 0, 0, 0, 0, 0, 0, 0, 7, 20, 1, 0, 0, 1, 0, 10, 0, 3, 14, 1, 1, 1, 16, 1, 5, 3, 4, 10, 14, 1, 2, 0, 3, 12, 9, 4, 2, 11, 6, 18, 3, 14, 24, 27, 36]

The word 'Ahab' which is a character in the novel, appears more often towards the end compared to the beginning, so this pattern might show that this character has a bigger role at the end of the novel.

viii.   An interesting quote from the book and the chapter it's found in.
'Ignorance is the parent of fear'
Found in Chapter 3

ix.   The randomly generated sentence from your generateSentence() method
"The fishermen's names appeared with these monitions at once and offered me to the narwhale that I have to see"