

Features	Store a Corpus into a Database	Split Corpus Into Chunks By Time	Inputting a List of Words and Getting Back Similar Words	Inputting a List of Words and Getting the Cosine Distance	Inputting Word Pairs and Getting the Cosine Distance	Probability of a Pair of Words Being Together in Part of the Corpus	Probability of a Pair of Words not Being Together in Part of the Corpus	Getting the Average Valence for a Document	Getting the Average Arousal for a Document	Getting the Average Valence of Top 5 TFIDF Words In a Document	Getting the Average Arousal of Top 5 TFIDF Words In a Document	Receive a CSV File for Output	Split Corpus into Chunk by Location	Selecting Part of the Corpus and Receiving Word Frequency	Selecting Part of the Corpus and Receiving Relative Word Frequency	Selecting Part of the Corpus and Receiving Average TFIDF	Visual Representation of Data for Given Keywords	Visual Representation of Data for a Selected Date or Location	Integrate Django and HTML pages	Get an Email of the Results
tests.py Test Suite																				
1 - Get Documents			X	X	X	X	X	X	X	X	X			X	X	X				
2 - Get Document Data			X	X	X	X	X	X	X	X	X			X	X	X				
3 - Get Words In Document			X	X	X	X	X			X	X			X	X	X				
4 - Split Documents		X																		
5 - Cos Distance Over Time				X	X							X								
6 - Tfidf Over Time												X								
7 - Average Arousal									X			X				X				
8 - Average Valence								X				X								
9 - Average Arousal Top Five											X	X								
10 - Average Valence Top Five										X		X								
11 - Word Frequency												X		X						
12 - Relative Word Frequency												X			X					
13 - Pairwise Probabilities						X	X					X								
tests_selenium.py Test Suite																				
1 - Submit Nothing																			X	
2 - No Email Given																			X	X
3 - Select No Date		X																	X	
4 - Select One Date		X																	X	
5 - Select Nothing																			X	
6 - Standard Submit		X																	X	
7 - Submit Everything		X	X	X	X	X	X	X	X	X	X			X	X	X			X	X
8 - Bad N Neighbours Word			X																X	
9 - No N Neighbours Value			X																X	
10 - Cosine Distance No Pair				X	X														X	
11 - Cosine Invalid Characters				X	X														X	
12 - Bad TF/IDF																			X	
13 - Single Pairwise						X	X												X	
14 - Bad Pairwise						X	X												X	
15 - Unspecified Average Arousal									X										X	
16 - Unspecified Average Valence								X											X	
17 - Unspecified Top 5 Average Arousal																			X	
18 - Unspecified Top 5 Average Valence										X	X								X	
19 - Invalid Average Arousal/Valence Input								X	X	X	X								X	
20 - Bad Frequency													X						X	
21 - Bad Relative Frequency														X					X	
22 - Invalid Email																			X	X
23 - Negative N Neighbours			X																X	
24 - Invalid Date		X																	X	
25 - Invalid Dates		X																	X	
26 - Uploading Files			X	X															X	