Homework 3

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Three Tables

1. The first table I have created is to show sentiment analysis across all three datasets. Specifically I am looking at the sentiment analysis result that comes out when I'm using all the english words that are given, and comparing them to all the english words that are given provided they exist in the dictionary.

Dataset	2014-10-20	2014-10-27	2014-10-06	2014-10-13
Ebola with only english	0.00194	0.000158	0.00411	0.00120
words				
Ebola with only dictionary	0.00999	0.000756	0.0202	0.00671
words				
If They Gunned Me Down	-0.00201	-0.0201	-0.00333	-0.00106
with only english words				
If They Gunned Me Down	-0.00399	-0.0398	-0.00660	-0.00211
with only dictionary words				
US Top 10 Cities with only	0.000135	-0.0000689	-0.000104	0.0000601
english words				
US Top 10 Cities with only	0.00162	-0.000615	-0.00111	-0.000861
dictionary words				

2. The second table I concentrated on the most occurring words, and tried to give them some contextual information. I was trying to tag them depending on what they could mean. The first dataset I used was a dataset where all the letters of each word were english, and the second dataset was a dataset where all the english words were in the dictionary. The REFERENCE#1 in the table points to the word emabiggestfansjustinbieber (LaTeX had lots of problems with me putting it into the table).

Dataset	2014-10-20	2014-10-27	2014-10-06	2014-10-13
	vinson	vinson	braintree	klain
Ebola with	klain	klain	trembles	vinson
only english	williamsburg	othertech	paparazzo	bridal
words				
	evoking	exclusions	trembles	bridal
Ebola with	unenforceable	sleuths	paparazzo	faulted
only dictio- nary words	disorganization	intercepts	canines	widened
	pumpkins	shawshooting	detention	shawshooting
If They	recount	condemns	interrupt	vonderritmyers
Gunned Me	nh	flier	deadspin	anatomy
Down with				
only english				
words				
	pumpkins	condemns	detention	anatomy
If They	recount	flier	interrupt	molester
Gunned	antiquated	reignite	evacuation	interventions
Me Down				
with only				
dictionary				
words	, , ,	6 11	DEPENDENCE //1	DEPENDENCE #4
IIO TO 10	nashsnewvideo	followmecam	REFERENCE#1	REFERENCE#1
US Top 10	followmenash	sanayairani nashvschad	cmaawards	funfearlesslife
Cities with	michaelbrown	nasnvscnad	helpfindthem	helpfindthem
only english words				
words	crewed	emulsion	galactic	flog
US Top	juries	biopics	ghouls	dozier
10 Cities	reclassified	foamed	reelection	sleepwalkers
with only	reciassined	Toamed	16616601011	sicepwarkers
dictionary				
words				

3. The third table

X	у
X	у

General

1. I only filtered words that were in english - so I used a function to remove and normalize the datasets to only having english words.

Ebola dataset

- 1. The Ebola dataset contains 36,997 words, and 5,225 of the words are not english at all. Having removed the non-english words, the subset that remains has 25,122 words that are not in the dictionary. Therefore it leaves 6,650 unique words that exist in the english dataset.
- 2. I only did sentiment analysis on words that were within the english language or words that I could have corrected using similarity matching.

If They Gunned Me Down

1. The If They Gunned Me Down dataset contains 7,911 words, and 794 of the words are not english at all. Having removed the non-english words, the subset that remains has 3,525 words that are not in the dictionary. Therefore it leaves 3,592 unique words that exist in the english dataset.

US Top 10 Cities

1. The If They Gunned Me Down dataset contains 111,771 words, and 30,299 of the words are not english at all. Having removed the non-english words, the subset that remains has 75,434 words that are not in the dictionary. Therefore it leaves 6,038 unique words that exist in the english dataset.