SentimentAnalyzer

+lexicon: SentimentLexicon +tokenizer: Tokenizer

+SentimentAnalyzer() +analyzeTweetsentiment(tweet: Tweet) :: double

SentimentLexicon

-AFINN_lexicon: unordered_map

-VADER_lexicon: unordered_map

+SentimentLexicon()

+get_sentiment(word: string) :: int

+loadAFINN() :: void +loadVADER() :: void

+getAFINNSentiment(word : string) :: double
+getVADERSentiment(word : string) :: double

Tokenizer

+tokenize(test: string) :: vector

Tweet

+text: string

+date: string

+query: string

+user: string

+int: id

+sentiment_score: int

+sentiment_class: string

+Tweet(id: int, date: string, query: string,

user: string, text: string)

+Tweet(id: int, sentiment_score: int)

+set_sentiment_score(score: int)