MSCI 641: Assignment #3

Dan Wang 20796378

`d347wang@uwaterloo.ca`

University of Waterloo — June 12, 2019

As we can see that the 20 most similar words to "good" are:

'decent', 0.7779346704483032), ('great', 0.7528027296066284), ('fantastic', 0.6970811486244202), ('nice', 0.6816263198852539), ('terrific', 0.6792171001434326), ('superb', 0.650017261505127), ('wonderful', 0.6425809264183044), ('fabulous', 0.6352533102035522), ('excellent', 0.6179133057594299), ('impressive', 0.616286039352417), ('bad', 0.6086660623550415), ('terrible', 0.5855109691619873), ('poor', 0.5806623101234436), ('amazing', 0.5794503092765808), ('reasonable', 0.577659547328949), ('neat', 0.565698504447937), ('awesome', 0.5646282434463501), ('perfect', 0.5608898997306824), ('lovely', 0.56086915731430), ('okay', 0.5586907863616943)

The 20 most similar words to "bad" are:

'horrible', 0.6378484964370728), ('terrible', 0.6372288465499878), ('good', 0.6086660623550415), ('awful', 0.5688295364379883), ('funny', 0.561049222946167), ('scary', 0.550094485282898), ('weird', 0.5391566753387451), ('poor', 0.5382457971572876), ('obvious', 0.5373699069023132), ('strange', 0.532866358757019), ('nasty', 0.532535195350647), ('harsh', 0.5319207906723022), ('fake', 0.5297530889511108), ('lame', 0.5228519439697266), ('gross', 0.5213274955749512), ('crappy', 0.520595908164978), ('weak', 0.5141754150390625), ('lousy', 0.5139629244804382), ('stupid', 0.5110210180282593), ('horrid', 0.4936883747577667

Not all words similar to "good" are positive, for example: "terrible"; nor all words similar to "bad" are negative, for example, "good", "funny". My intuition for the results: all these negative words and positive words are the same part of speech: they are adjectives describing subjective feelings. They are likely to appear in between some sentences with relatively equal probability. In addition, sometimes we negate the negatives to express positive feelings, and vice versa.