Text Mining Analysis in R

Social Media Analysis Questions

1. What are the most important words that trigger the most suicidal thoughts through social media?

* Media is the most frequent word meaning social media is the most cause of suicide.
* The second and third frequent words are health and mental because medical conditions can cause individuals to be unstable whether it is physical or mental health. Physical conditions can cause individuals to be abnormal leading to bullying and harassment for no reason. Some individuals including adults can raise the issue by posting photos and content of the abnormal individuals on social media.
* Associ and studi needs further analysis to determine if these words’ context are positive or negative.

1. Are there any correlations between the words that are associated with suicide?

* In the media column, there are a few words that have a high correlation to suicidal thoughts. Symptom is the highest with an r score of 0.63 meaning social media cause symptoms of suicidal thoughts through verbal abuse and cyberbullying. Studi (which is the root of study) is the second highest because intelligent people can degrade unintelligent people due to arrogance causing emotional stress including negative thoughts among unintelligent people. With a high emotional stress, it can increase suicidal thoughts to unintelligent people although unintelligent people do not realize that they are just slow learners or do not have the resources that intelligent people have. One is the third highest because one can mean the individual is alone with no friends causing loneliness. Depress is the fourth highest because depression decreases cognitive functions leading to consequences. All these words have high positive correlations.
* In the mental column, two words have a high positive correlation that are associated with suicide. Frequent is the highest because health whether it is physical, mental, or social happens all time among all age groups. Health that is causing distress can increase suicidal thoughts. Increa (which is the root of increase) is the second highest because health problems are increasing each year with population growth, spread of disease, and aging.
* In the health column, two words have a high positive correlation that are associated with suicide. Frequent is the highest because health whether it is physical, mental, or social happens all time among all age groups. Health that is causing distress can increase suicidal thoughts. Covid – 19 is the second highest because the pandemic has caused a decrease in economic growth and increase in depression which would lead to an increase in suicidal thoughts. It would increase suicidal thoughts because some individuals do not have any savings or a job to make a living.

1. What are the most frequent emotions that individuals feel when they encounter suicidal thoughts?

* The most frequent emotion would be trust because betrayal or disloyalty can make a person overwhelmed and experience negative thoughts that would most likely lead to suicidal thoughts. Fear would be the second highest because fearing what will happen or is going to happen in an individual life will cause suicidal thoughts. Those suicidal thoughts would convince the individuals that their problems will be “solved” by committing suicide.