Objectives-

• Our goal is to find out mental state of a person, because as we saw our mental health is always neglected, but it should be do it first, as we know that every thing will be fine if we treat our mind well.

• In this post covid situation it became more essential to treat our mind well, as we go through ups and downs…..

• So to find out the mental health we are going to provide our users an interface or web page link. There will be some trick questions to get an brief idea of his/her mental state

• Next based on their data we will predict their mental state using our algorithm

• If its good then its ok, not, then we will try to identify the specific habit what is not usual for a healthy or say happy mind. Then we can recommend them what should be change in their daily habits, or if they need any kind of special activity.

Previous work-

• As we are working on real time data set, so we have to collect it by own, for that we create a google sheet, and shear it to as much as possible, on that sheet we set some questions in 4 parts,

• 1st personal details, like age, job, etc

• Then 2nd part we try to collect their health status, like medication, sleeping duration, everyday physical activity, regular diet

• 3rd part we set some questions about social life, like his/ her interaction with friends and family, social media activity, their hobbies, …..

• In the 4th part we set some trick question to find out their actual mental state, as someone usually didn’t want to express their mental status, they want it to keep is secret. The questions are like Get easily annoyed or irritable, Interest or pleasure in Exploring things, favorite quotes.

• After that we clean the data like we decrease the null value , and also clean unusual data which we cant use it to train algorithms like name, address,

• Then we do preprocessing part where we map the data that means, we turn all the data to numerical type, to ready to train through algorithms, like we give each data a specific number to train it.

• Then we train them through algorithms.

• Random forest- accuracy – 45.9 ~ 46 %

• Decision tree – 35.4 %

• Logistic regression – around 65- 75 %