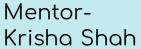


# MentalHelp+

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#### PROBLEM STATEMENT

During these trying times, the mental health of a lot of individuals has deteriorated. More than half of the people in India suffering from mental disorders do not get the help they need. It is difficult for some people to identify these problems. The goal of the MentalHelp+ website is to make a concise and efficient Test supported with accurate Statistics that should help in making all concerned individuals realise how vulnerable their mental health is and encourage them to seek professional help.

#### **MARKET SURVEY**

#### **Google Form**

We created a Mental health Survey using a Google Form to collect data to train the MentalHelp+ model.



#### **Professional Help**

We seeked the advice of two Mental Health professionals while forming the Questionnaire for the survey and while interpreting the results of the test to make the model as authentic and accurate as possible.

## **TECHNOLOGIES USED**













learn





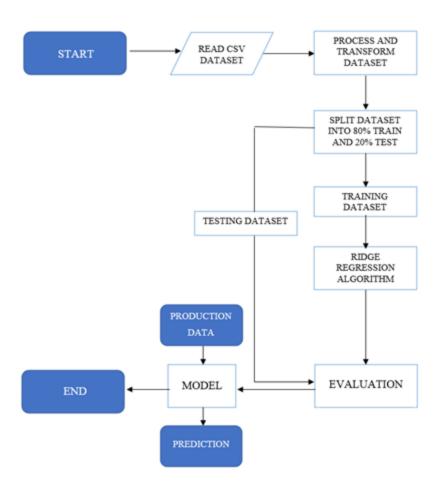


### **CODE**

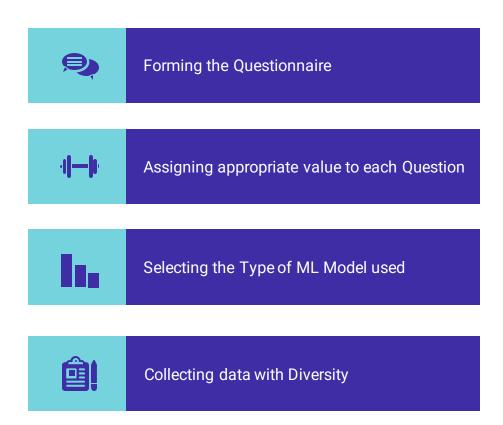
- ☐ All the data was processed and transformed to standardize the dataset.
- ☐ A Ridge Regression pipeline was used due to it's high R².
- ☐ Optimal parameters were set using hyper parameter puring (Grid Search CV).
- ☐ Of all the models compared, Ridge Regression has the highest accuracy (99.9%).
- ☐ All the graphs were constructed on Plotly and are static.
- ☐ Tables and Cross Tabulation were made on SPSS.
- ☐ Framework used for UI is Django.



## **FLOWCHART**



#### **DIFFICULTIES FACED**

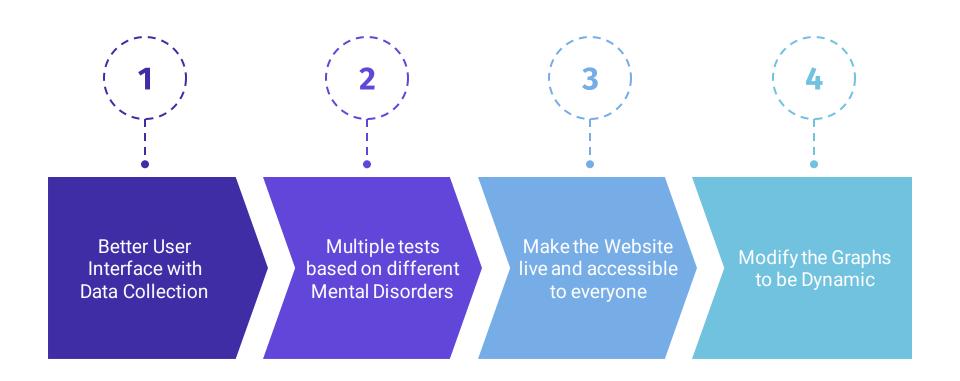




## **CONCLUSION**

- ☐ Spread Awareness
- ☐ Overcome the Stigma
- ☐ Learn about one's mental state
- ☐ Encourage to get help
- ☐ Realize they're not alone

### **FUTURE SCOPE**





## **THANK YOU**