

# PREDICTING DEPRESSION DISORDER

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T5-Bootcamp :Data Science

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### PROJECT GOAL

- ▶ To Predict whether an individual suffers from Depression or not

### DATASET

- ▶ Dataset was obtained from kaggle inform (.csv)
- ▶ Has 172 columns and 39775 rows.
- ▶ Contains :
  - ▶ DASS questionnaire made to measure Depression, Anxiety and Stress.
  - ▶ The Ten Item Personality Inventory (TIPI) questionnaire
  - ▶ Personal Data

# DATA PROCESSING

- ▶ Check for Null Values.
- ▶ Calculate and categorize Depression, Anxiety and Stress Features.
- ▶ Calculate TIPI Score.
- ▶ Data Cleaning.
- ▶ Handling Outliers.
- ▶ Feature Selection and engineering.

MODEL

	KNN	LR	SVN	RF
train			75.88%	76.3%
Validation	73%	75.9%	76%	76%
Test	73.4%	76%	76%	76.18%