

PREDICTING DEPRESSION DISORDER

T5-Bootcamp :Data Science

Nada M.Al-Amri

PROJECT GOAL

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

DATASET

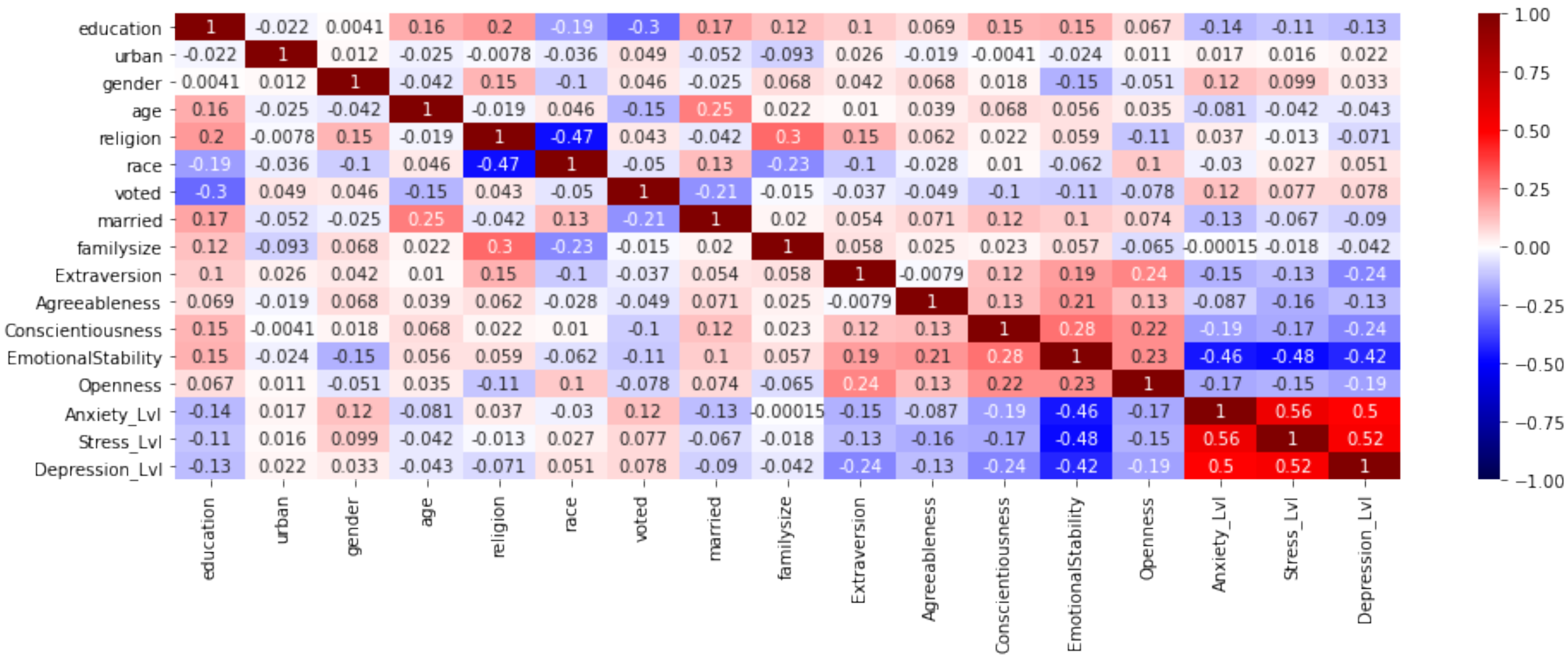
- ▶ Dataset was obtained from kaggle in form (.csv)
- ▶ Has 172 columns and 39775 rows.
- ▶ Contains :
 - ▶ DASS questionnaire made to measure Depression, Anxiety and Stress.
 - ▶ The Ten Item Personality Inventory (TIPI) questionnaire
 - ▶ Personal Data

DATA PROCESSING

- ▶ Check for Null Values.
- ▶ Calculate and categorize Depression, Anxiety and Stress Features.
- ▶ Calculate TIPI Score.

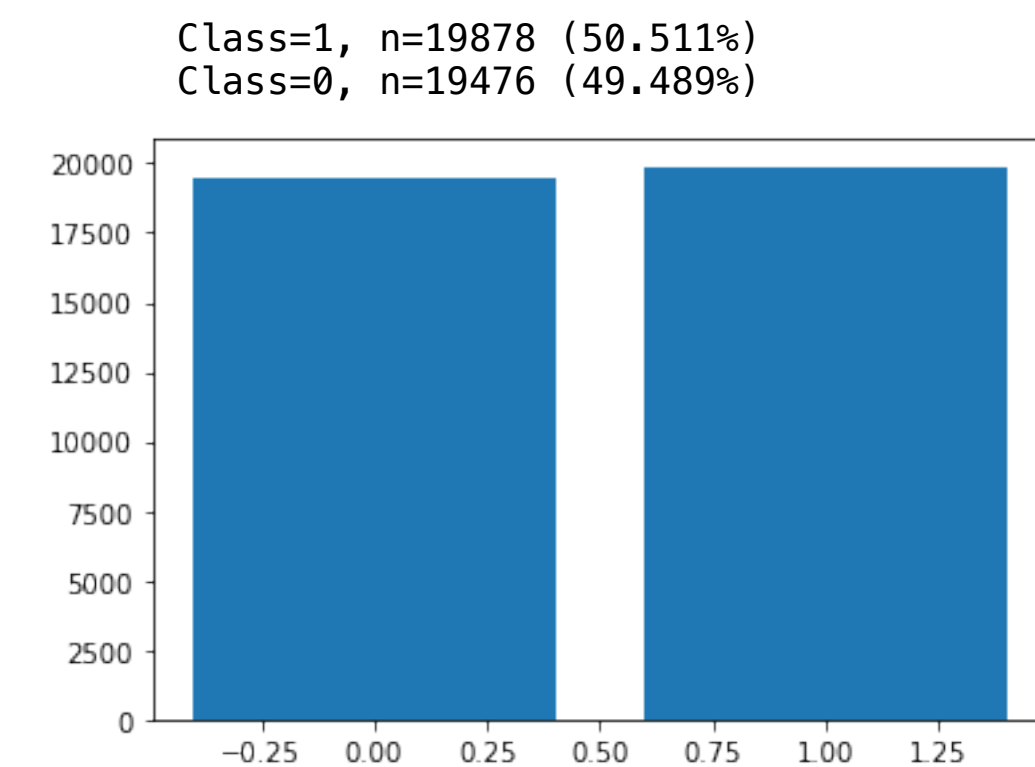
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DATA PROCESSING



DATA PROCESSING

- ▶ 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%