OUR TEAM

Stefania Sferragatta
Gaurav Ramse
Giacomo Ruà
Mert Yildiz
Martina Betti

FDS
Final Project

Predictors of mental health illness

MOTIVATION

- ❏ Variety of ML approaches
- ❏ Interesting dataset
- ❏ Detailed documentation

TASK

- ❏ Reproduce the author's results
- ❏ Apply our knowledge to provide alternative code
- ❏ Evaluate ML prediction potential of mental illness

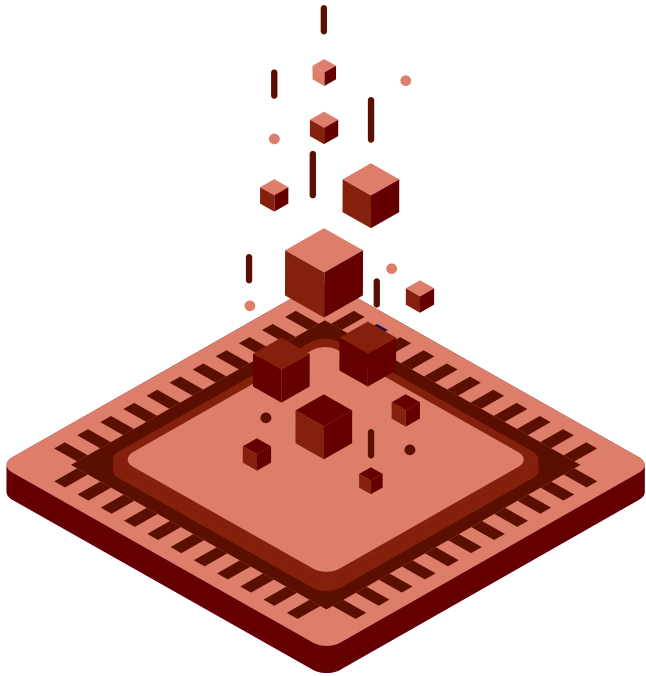## Investigation

Machine Learning methods:

- ❏ **Logistic Regression**
- ❏ **KNeighbors Classifier**
- ❏ Decision Tree Classifier
- ❏ Random Forests
- ❏ Bagging
- ❏ Boosting
- ❏ Stacking

MODEL

Data Set

OSMI Mental Health in Tech Survey 2016

Data shape: 1258 x 27

ANALYSIS

- ❏ Preprocessing of the dataset according to our purpose;
- ❏ Evaluate the accuracy among different approaches by using these benchmark methods:
  - **Confusion Matrix;**
  - **ROC curve classifier**
- ❏ Draw our conclusions.