

Development Data

Initial set of Features

scrutinizing the variables

Is there any Missing Values

YES

Data Imputations

NO

EDA (Explortatory Data Analytics)

data visualizations and inferential statistics

Determination of the Feature set

data visualizations

Feature Engineering - Data Transformations and Encoding

Lasso regularization

Selection of Features

Split Development data into Train, validation and test datasets

with min of params

Development of the base model & the classification/Performance Report

based on the performance values

Determination of the most effective Algorithm

Classification report /Performance Parameters

Is the model good enough?

RandomizedSearchCV & GridSearchCV

Fine tunig of the hyper parameters using brute-forces

Finalizing the model

App & Container

Development of the restful API and the Docker Image

Deployment & Ingestion

Delivery to ingestation

NO