**Build a predictive analytics model for business insights using ML**

Simulated Data like CSV file

1.Data Simulation and Preparation

**(Data Simulation.ipynb)**

ddd

output

**simulated\_data.csv**

file

**Business** Summary of insights and report

2. Exploratory Data Analysis (**EDA.ipynb)**

output

**Business database**

**Script containing SQL quires**

**customers.db**

**SQL**

**(SQL.ipynb)**

output

**(customers.db)**

***Preprocess data to training and testing sets***

Model Development and Selection

Model selection, Feature Engineering

output

Model Training and Evaluation

Train data, test data, model evaluation

(**1\_train\_model.py**)

Selecting best model

**best\_customer\_satisfaction\_model.pkl**

output

**API** (interface)

(**2**.**APP.py**)

**Results**

output

Web Visualization,

Prediction of new customer data