Project2 Dataset: Churn

#Importing Libraries

Cell: 1

Import Essential Libraries for Machine Learning: NumPy, Pandas, Matplotlib, Seaborn, Sklearn, Cluster Algorithms, …

#Load and Prepare Data

Cell: 2-4

Load Dataset from CSV file as Data Frame in Pandas Library

#EDA

Cell: 5-38

Explore and Review Data with Pandas Method: head, tail, info, describe, shape, values, columns, value_count, slicing, condition, crosstab, sort_values, groupby, loc, iloc, drop

#Data Preprocessing &

#Prepare Data for Machine Learning

Cell: 39-41 , 65-78

Explore and Check and Find Missing Data, Scale Data and Encoder Data with Pandas Method: isnull, dropna, fillna, SimpleImputer, LabelEncoder,

#Strorytelling – Visualization

Cell: 42-64

Explore and Visualize Data with Matplotlib and Seaborn Method and Draw Different Charts

#Train your model (Classification)

Cell: 79-88

Train model with Random Forest Algorithm

#Test the model and show the metrics

Cell: 89-94

Test model and Show Metrics