

Logistic Regression

- Understand Data
- Build Model
- Check Accuracies
- ROC

Time Series

- Understanding time series data and aggregating the data based on intervals
- Decomposing the time series and analyzing the components
- Adjusting for stationarity, trend and seasonality in the data
- Building the following time series models
 - Simple moving Average
 - Weighted Moving Average
 - Exponential smoothing
 - Holt-Winters model
 - ARIMA models

Activity-1

Logistic Regression (Audit Domain)

1. Predict whether or not an "individual" has an income greater than \$50,000 a year
2. Variable description: "income desc.txt"
3. Response variable: "income"
4. Train Dataset: "income.csv"; Test Dataset: "income_val.csv"
5. Calculate error metrics
6. Try to improve model
7. Plot ROC curve.