

Assignment – Basic Python + Insight Mining



Assignment

Your manager at the Bank is disturbed with more and more customers leaving their credit card services. He want to know profile of customer and ask you to make suggestion to decrease number of churn customer.

> Your Task

1. Joining x data table with y table
2. Data Quick look :
 - a. Dimension, head, tail, summary statistic
 - b. Average of customer's age with income \$80K-\$120K
 - c. Number of customer based on gender and education level
 - d. Average of month booking based on each card category
 - e. Average card limit based on each card category
3. Identify missing value and duplicate data. Define how to handle it
4. Identify outlier data (Provide at least 1 chart). Define how to handle it
5. Create new column based on existing column. New columns should be useful for further analysist.
6. Based on clean dataset, create 3 charts and insight.
7. Provide your suggestion to your manager
8. All task done on python

> Scoring Criteria

- Workflow
- Readable Python Script.
- Utilization on available tools