



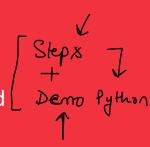
Credit EDA Case Study: Doubts Session





What we will cover in this session?

- 1 How to start with the "Credit EDA Case Study"
- 2 What are the important steps that should be included
- 3 Points to remember
- 4 Python Demo
- 5 QnA



Problem Statement

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Bank sector - Loan not able to reput the loan back to

given time frame then
the customer is said to be
delicited

Two types of risks are associated with the bank's decision:

- If the applicant is likely to repay the loan, then not approving the loan results in a loss of business to the company.
- If the applicant is not likely to repay the loan, i.e. he/she is likely to default, then approving the loan may lead to a financial loss for the company.

The company wants to understand the driving factors (or driver variables) behind loan default, i.e. the variables which are strong indicators of default

i) Application data: - current

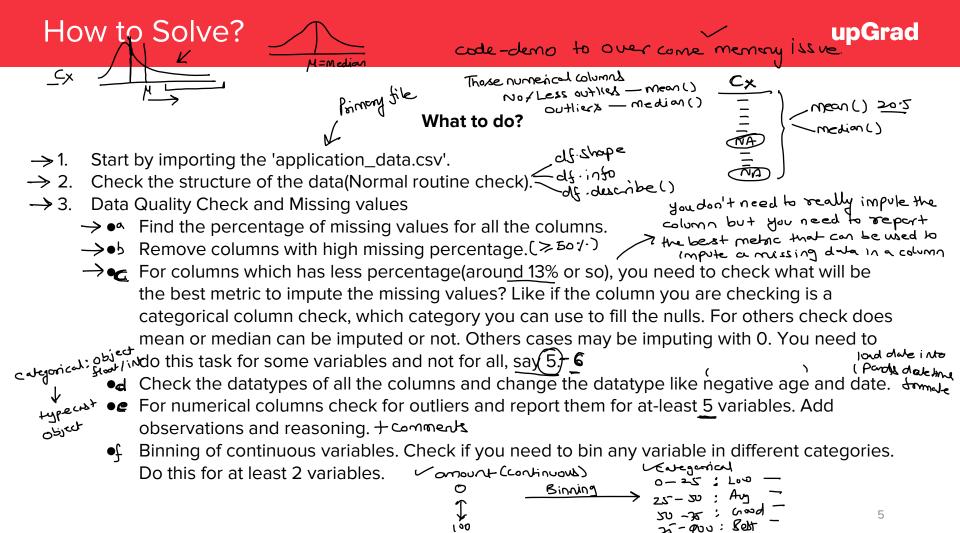
Problems

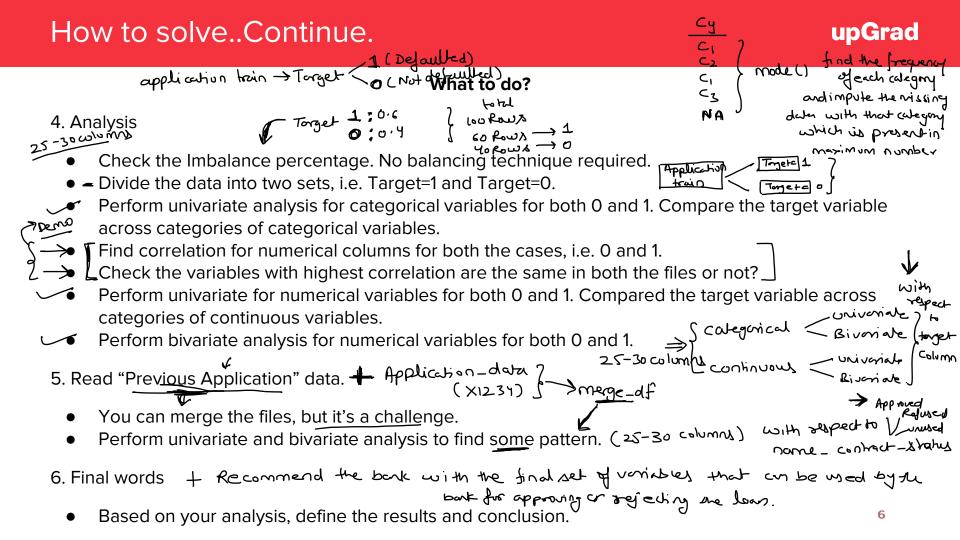
i) If the bank approves the loan of that person who? credit
is not capable of paying back the loan. I loss

ii) If the bank dis-approves the loan of the posson? Credit

who is capable of paying back

R



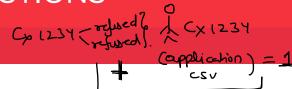


What to keep in mind

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- Keep in mind "There is no correct or incorrect solution".
- Every approach is correct if you are able to answer all the questions asked.
- The main objective of this case study is to learn and implement EDA techniques. So don't focus so much on columns and their descriptions. (60 + colonoloo)
- Remember you need to use plots and then understand the pattern. Then report your analysis in your notebook or PPT. No marks will be awarded if you have just plotted so many variables and have not explained the pattern.
- It's not possible to cover all the columns, so try to cover some of them. Based on the plots you get, try to identify the important variables.



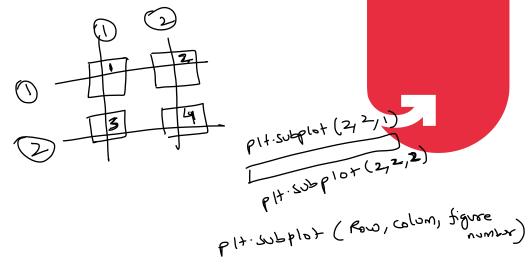
My data contains two classes 0 and 1. The total number of rows in my data is 150. The count of rows for class 1 is 40. What is my Imbalance percentage for class 1?

- A. 47%
- B. 38%
- C. 27%
- D. 26%

I have two files df1 and df2, both files have a common primary column as "ID". I need all rows from my df1 data and only the common rows from the df2 data. Which join should I use?(df1.merge(df2))

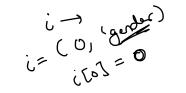
- A. Right
- B. Inner
- C. Left





Python Demo. Let's Code





Thank You!

