Unit 4 - Week 3: Descriptive Analytics

Assignment 3
Due on: 07/01/20, 11:59 PM

1. A local bank's loan officer wants to analyze past loan applications to see if there are any potential risk factors that could lead to loan defaults. What analytic techniques would the loan officer employ in this situation? Describe each step of the analytical process in detail. Include the data used, model building, and application to the loan officer's business problem.

2. Complete the following table provided for the case study's loan officer and fill in the appropriate value for each row.

3. Conduct the following regression analysis:
   - What is the percentage of your loan application that is checked?
   - What is the average loan amount?
   - What is the range of loan amounts?
   - What is the standard deviation of loan amounts?
   - What is the variance of loan amounts?

   Describe the findings of the regression analysis as they relate to the loan officer's business problem.

VIsuals

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