

LENDING CLUB

CASE STUDY

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The case study of Lending Club has a single goal in mind, which is identifying likely defaulting loans















MAIN REASONS OF DEFAULT

DTI has little impact Higher interest rate, debt

Higher interest rate, debt consolidation purpose, annual income between 31k-50k and lower employment length are the major risks to defaulting

CONCLUSIONS



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OTHER REASONS

- People having annual income in the range 50000-100000.
- People having Public Recorded Bankruptcy.
- People with least grades like E,F,G which indicates high risk.
- People with very high Debt to Income value.
- People with working experience 10+ years.



Technology Used

I used the below python modules:

- Numpy
- Pandas
- MatPlotLib
- NBFormat
- Seaborn
- Plotly Express







Lessons Learned

All methods of analysis are important, and it helps navigate deeper into the dataset. Starting with univariate, followed by segmented univariate, then bivariate is a very logical order. Finishing up with a heat-map describes all relations in a nutshell.

