

PREDICTING PERSONAL LOAN APPROVAL USING MACHINE LEARNING

INTRODUCTION

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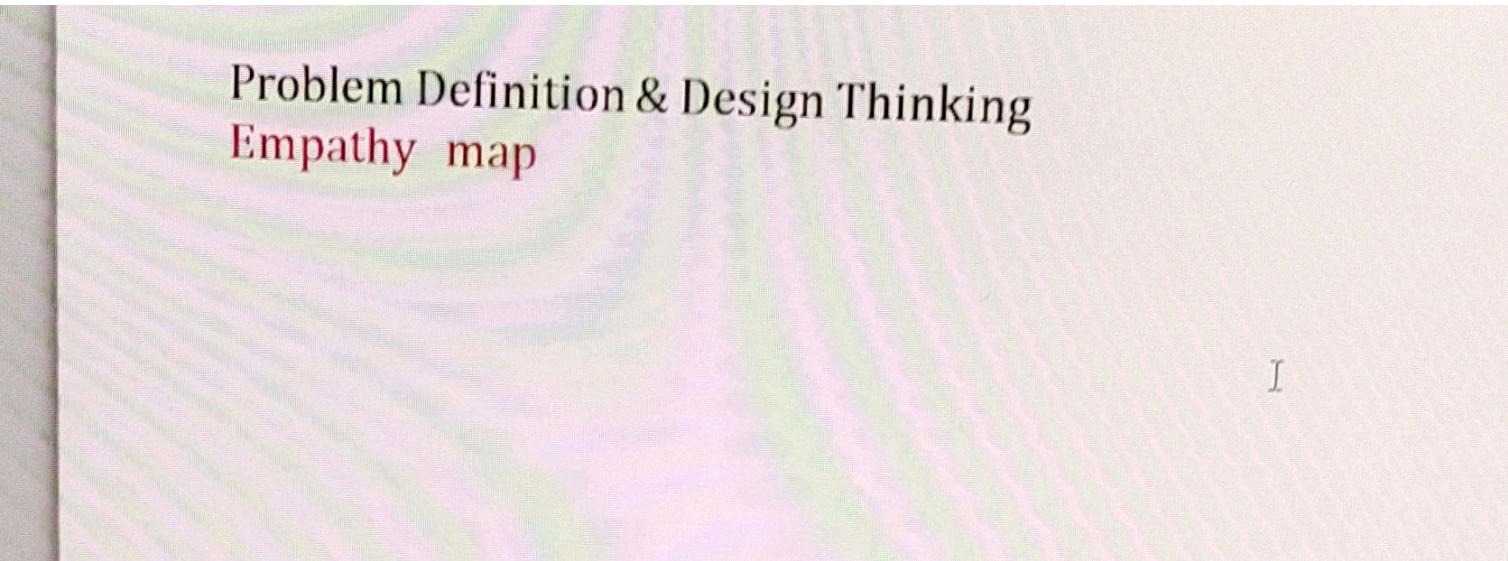
Overview

A loan is a sum money that is borrowed and repaid over a period time, typically with interest. There are various types of loans available to individuals and businesses, such as personal loans, mortgages, auto loans, student loans, business loans and many more.

Predicting personal loan approval using machine learning analyses a borrower's financial data and credit history to determine the likelihood of loan approval.

Purpose

- ❖ Define problem / problem Understanding
- ❖ Data collection & Preparation
- ❖ Exploratory Data Analysis
- ❖ Model Building
- ❖ Performance Testing & Hyperparameter Tuning
- ❖ Model Deployment
- ❖ Project Demonstration & Documentation



Problem Definition & Design Thinking

Empathy map

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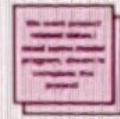
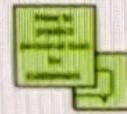


Build empathy

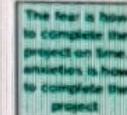
The information you add here should be representative of the observations and research you've done about your users.

Says

What have we heard them say?
What can we imagine them saying?



Give them a name and
a portrait to empathize
with your persona.



Does

What behavior have we observed?



Thinks

What are their words, actions, thoughts,
and feelings? What are their thoughts
about what they want?



Feels



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Advantages & Disadvantage

ADVANTAGES:

- ❖ A pre-approval gives you a home buying advantage by signaling to the seller that not only are you willing to buy the home, but you have the means to do it as well.
- ❖ Pre-approval means you can move fast when you find your dream home.

DISADVANTAGES:

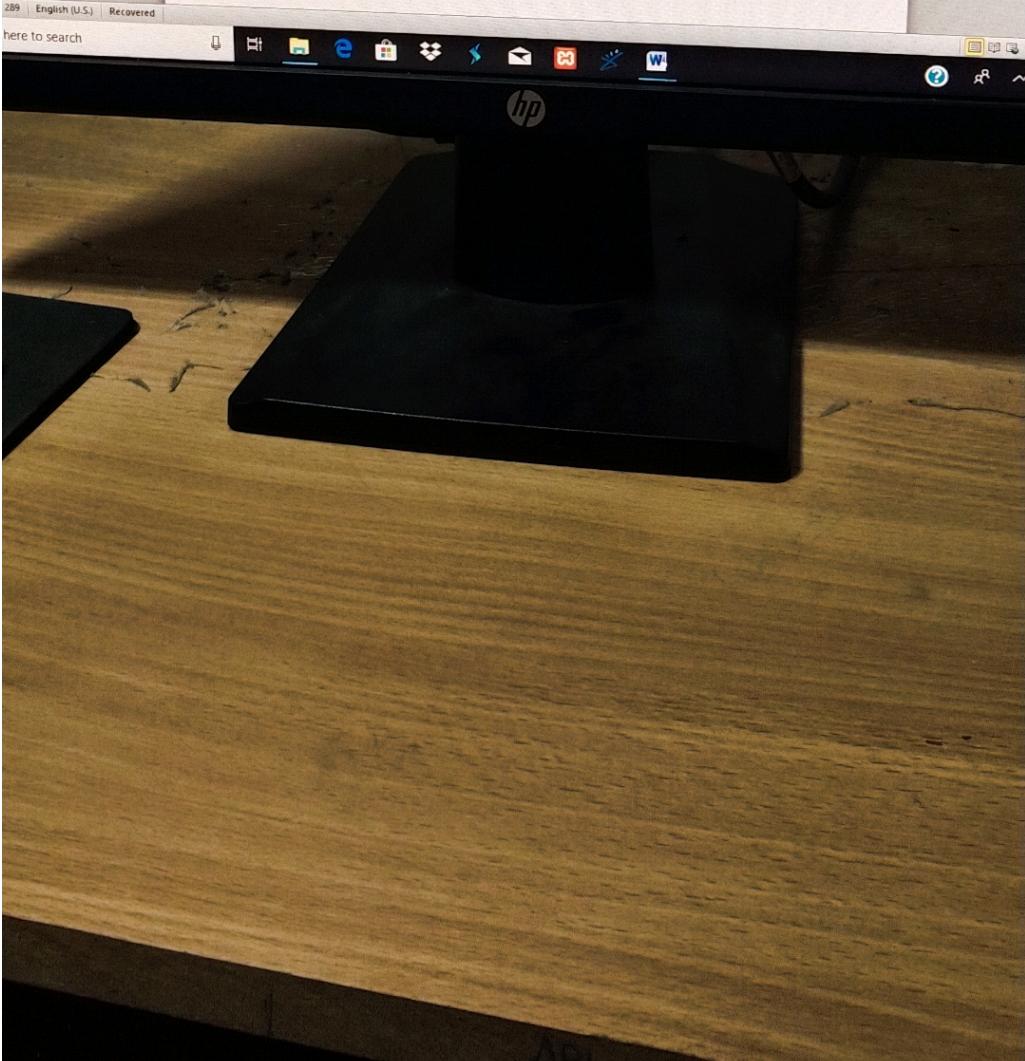
- ❖ Pre-approval personal loans have multiple pros, but certain cons as well.
- ❖ Pre-approved offer only indicates that you're for the loan.
- ❖ Doesn't mean that you get approved for the loan definitely.

APPLICATION

- ❖ Ideally, banks should acknowledge the receipt of a loan application within 7 days from the date of request.
- ❖ Using android.

CONCLUSION

- ❖ Banks chances of getting their money back from mallya are very less since kingfisher hardly has any assets.



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- ❖ But all that will happen if he returns to the country and say he will pay back.

FUTURE SCOPE

- ❖ After the basic examination of the details furnished by the applicant ,banks should intimate the person and issue him a registration number.