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HOME CREDIT CREDIT

SCORECARD MODEL





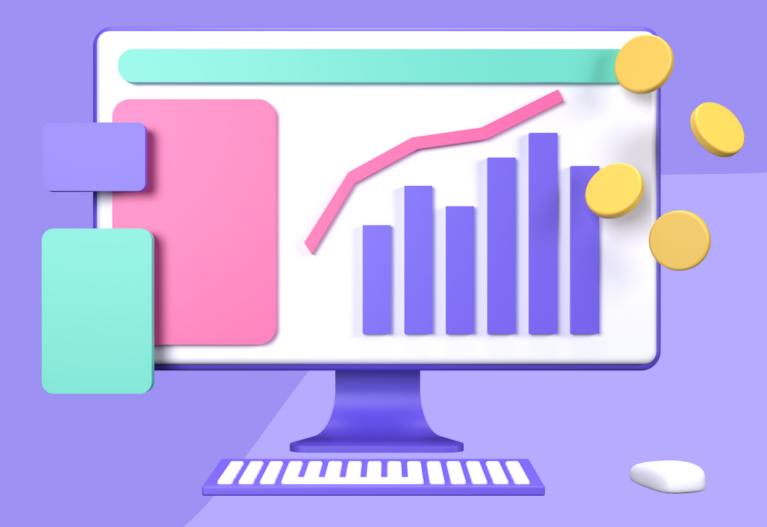


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 RECOMENDATION



Home Credit strives to provide a positive borrowing experience for those with limited or no credit history. They use alternative data to assess clients' repayment capabilities, ensuring that deserving individuals aren't denied loans. This approach empowers clients for success.



ACTIONS

- Perform data cleaning, and visualization for business insights.
- Build a models with machine learning algorithms.
- Provide recommendations
 for company to increase
 their clients succeed in
 applying for loans.

OBJECTIVE

- Identify characteristics of of potential clients who will have difficulty repaying loans and who will not.
- Predict client's repayment abilities.

DATA PRE PROCESSING

EDA

- BivariateVisualization
- Multivaritae Visualization

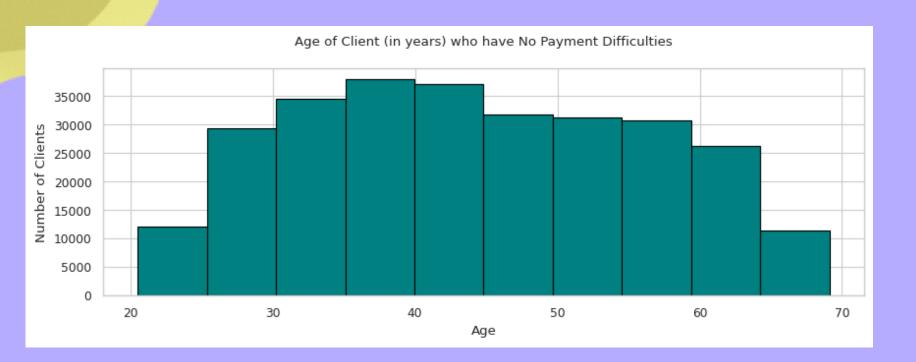
DATA CLEANING

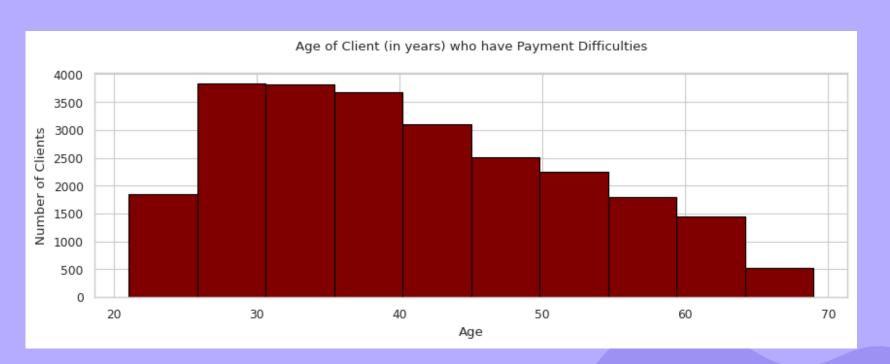
- Handling Missing Values
- Handling Outliers

MODEL BUILDING

- Logistic Regression
- Lightgbgm

EDA & INSIGHT



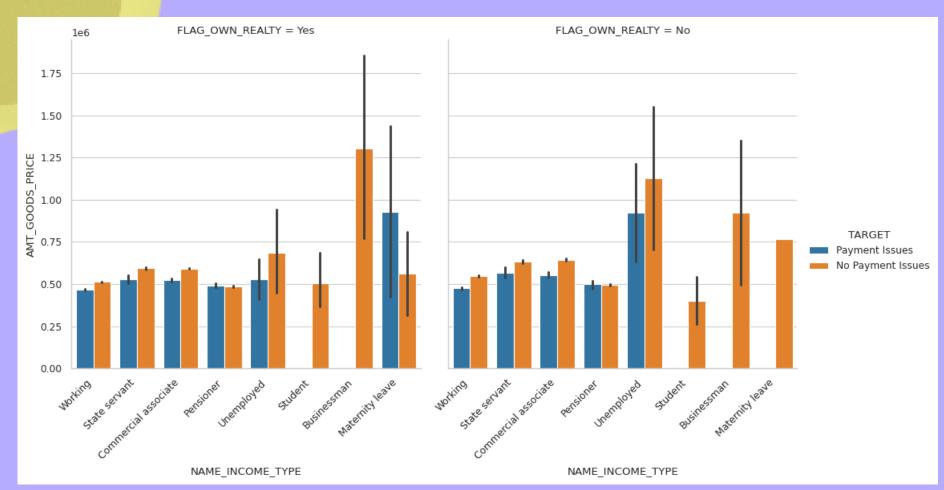




- Most number of clients who apply for loans are in the range of 35-40 years.
- Meanwhile, the number of applicants for clients aged <25 or age >65 is very low.

- Clients who have no payment difficulties are clients in the range of 35-45 years. You can target these clients as your priority.
- While clients who have payment difficulties are client the range of 25–35 years.

EDA & INSIGHT



 For the income type of maternity leave with cash loans, all the clients have problems repaying the loans for a medium credit amount of the loan.
 While all clients with maternity leaves and revolving loans have no difficulty repaying the loans.



 All student clients have no difficulty repaying the laons whether with a cash loan or revolving loan for a low to medium credit amount of the loan

- For unemployed clients with cash loans, more than
 50% of clients have problems repaying loans with medium
- credit amounts of the loan. While all unemployed clients with revolving loans have no difficulty repaying the loan.

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01.

Create a campaign so that more student, accountant, high skill tech staff, manager interested in applying for a loan

O2.

Need further analysis, you can survey to find out if there is a problem if a client with maternity leaves or unemployed takes a cash loans contract. So, in the future, if there are clients with that type of income, you can recommend the right contract type so that their applications will be approved

