NNTRUST INVESTMENT

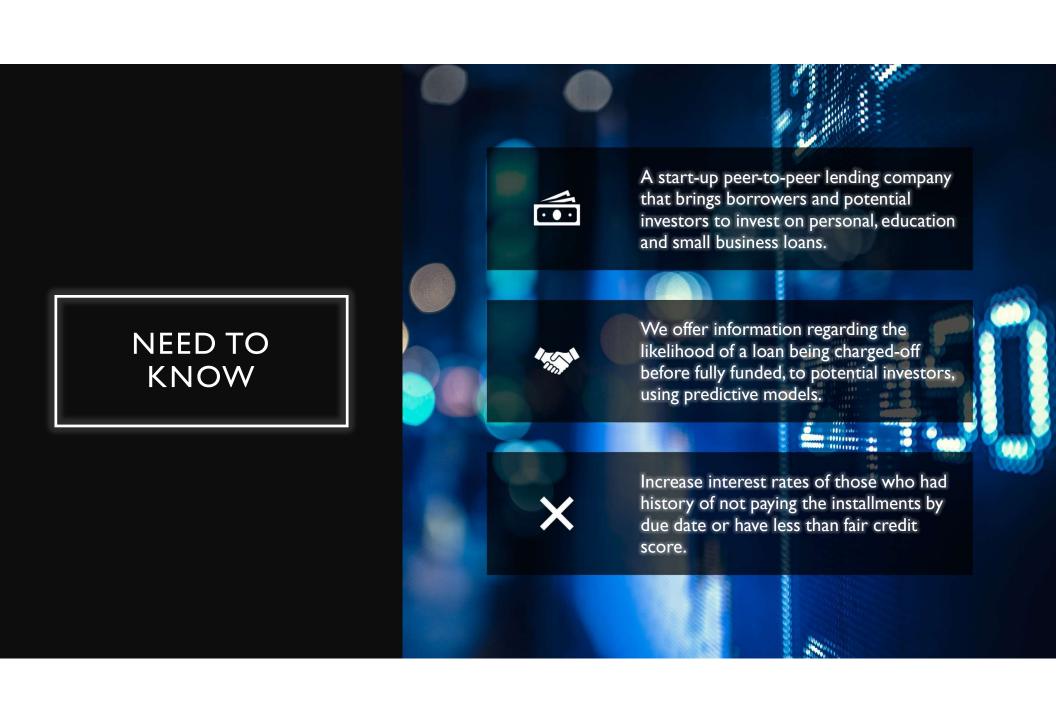
Invest smarter

K. Hema Mounika (hmk25)

K.Vinay Kumar (vkk26)

K. Jhansi Naveena (jnk22)





- Historical data undergoes various classification models to determine important features and best model to predict charge

 off likeliness.
- Features:
- Loan amount
- Term
- Interest
- Installments
- FICO score
- Employment data (length, income)
- Debt to income ratio
- Earliest credit line
- Open accounts
- Total accounts
- Mortgage account



DATA SCIENCE

AUC/ROC TEST SCORES

Logistic Regression: 0.7286

• SVM: 0.7226

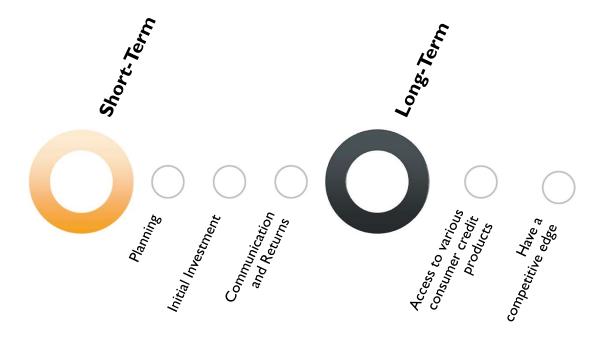
• KNN: 0.7208

Random Forest: 0.7305

Random Forest with important variables: 0.72897

Neural Network: 0.7290

INVESTMENT GOALS



SWOT ANALYSIS

Strengths	Weaknesses
 Automated data science technology Online investment advisors Frequently updated website Communication High returns to investors Less charge – off likelihood 	 Risk of losing money Risk for laypeople No insurance or government protection for the company
Opportunities	Threats