## SAZAJOCA DATA CONSULTING



## Will a cardholder default next month?

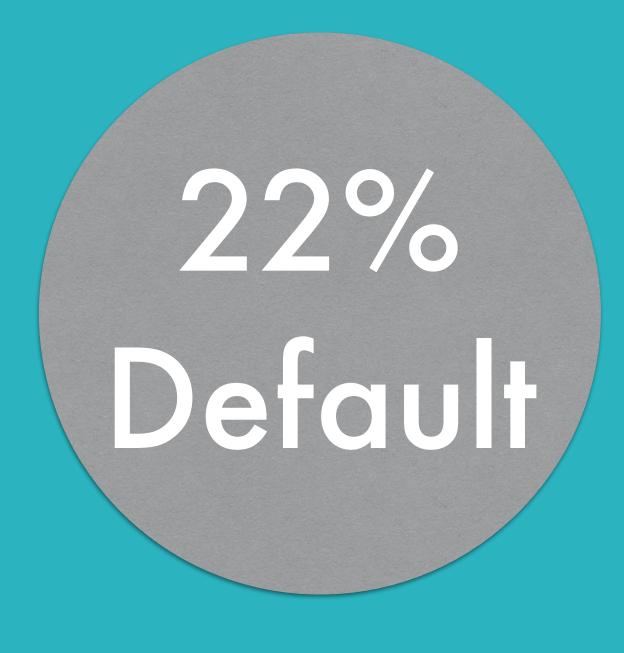


# Intervene <u>before</u> defaults happen

### 

#### 30,000 cardholders





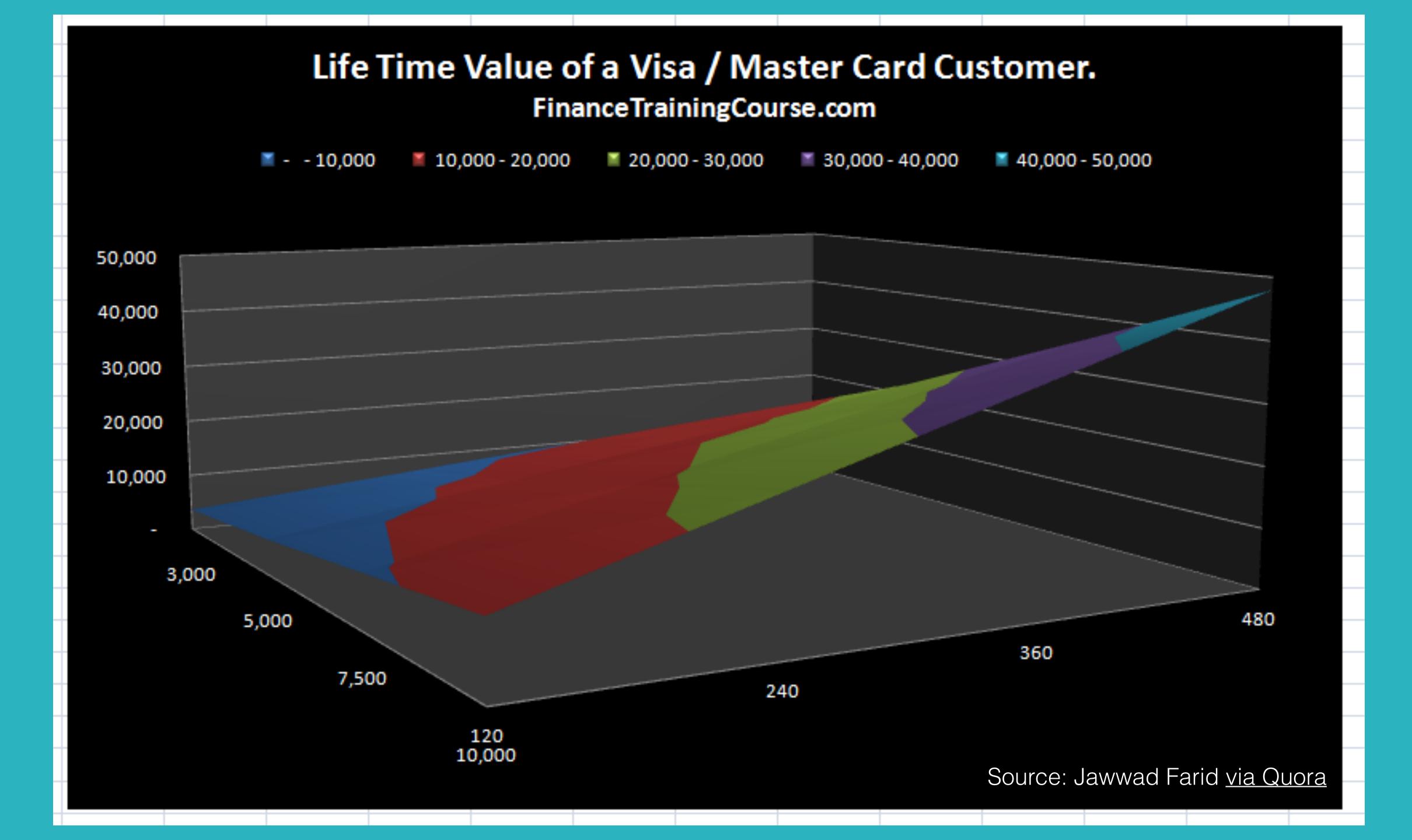
Models	Accuracy Score	Recall Score	Precision Score
KNN	0.738	0.142	0.293
Logistic Regression	0.782	0	0
Naive Bayes	0.234	0.985	0.22
Decision Tree	0.681	0.312	0.287
Random Forest	0.757	0.282	0.416
Gradient Boosting	0.782	0.09	0.501

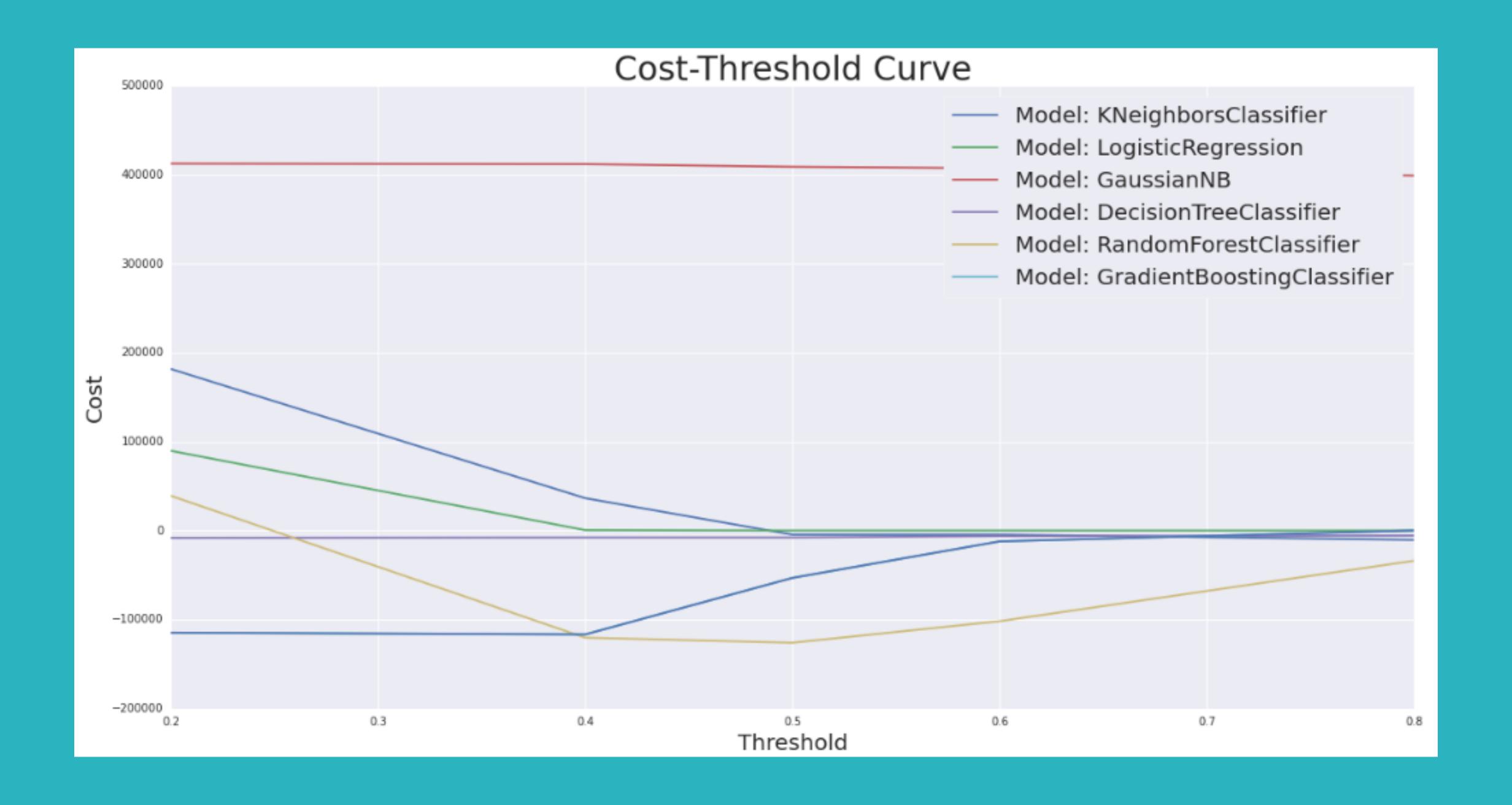
Models	Accuracy Score	Recall Score	Precision Score
KNN	0.738	0.142	0.293
Logistic Regression	0.782	0	0
Naive Bayes	0.234	0.985	0.22
Decision Tree	0.681	0.312	0.287
Random Forest	0.757	0.282	0.416
Gradient Boosting	0.782	0.09	0.501

# Average Credit Card Debt per household:

\$15,625

## THE COST OF FALSE POSITIVES





## OUR WEB APP