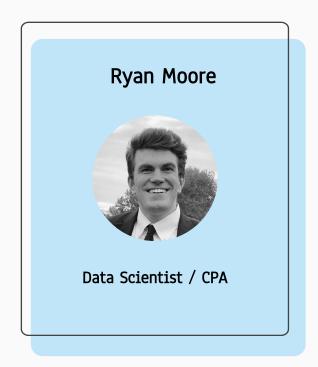
Dollars & Sense

Automating and optimizing banking marketing strategies with machine learning



Agenda and Intro



01
The Bottom Line

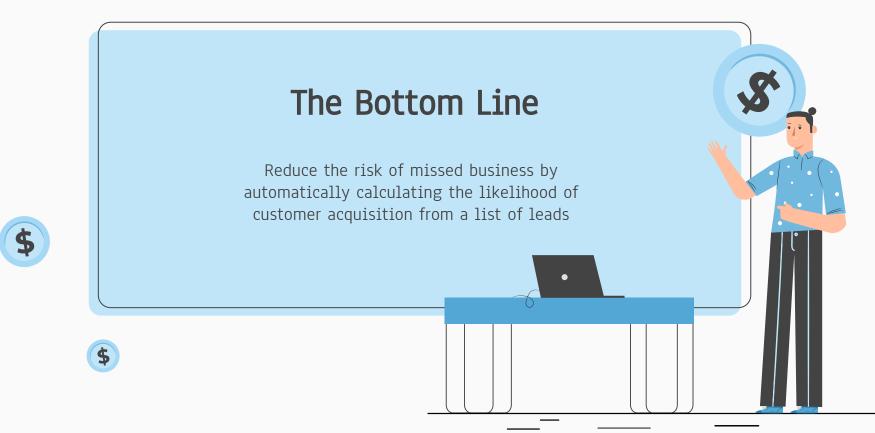
02 Data Overview

03
Modeling and Stats

O4
App Workflow and Demo

Next Steps / Wrap Up





Data Overview

<u>Dataset Overview</u>

45, 307

Customer Interactions

2008 - 2011

Campaign Timeline

<u>Dataset Features</u>



Customer

- Age
-]ob
- Education



Campaign

- Last contact
- Previous success
- Contact details



Economic

- FURTBOR Rate
- CPI Rate
- Employment Rate

Modeling Data Overview

App Demo

Next Steps

Modeling and Insights

Recall / Accuracy Performance



Insights

Relationships are everything

Previous customers are more likely to subscribe to new offerings Economic performance matters

Customers are highly educated and likely know best times to purchase

Stay with those leads

Less time between calls means increased acquisitions

Data Overview

Modeling

App Demo

Next Steps

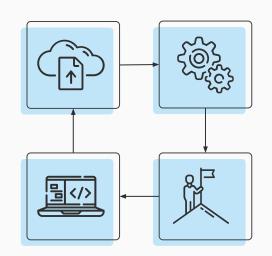
App Use and Demo

Input

Call leads are generated and uploaded into the application

Retraining

The application is re-trained on new results and a new version of the application is released



Calculation

Probabilities of customer acquisition are generated

Distribution and Results

Leads and their predictions are circulated from application

Results of interactions are logged

Data Overview Modeling App Demo Next Steps

Next Steps





Including product information would likely increase performance



App Expansion

App functionality can be expanded for manual inputs and visualizations



Automatic Retrain

App can automatically retrain itself on new data

Projected Timing:

TBD - Depends on availability

May 2023

June 2023

Data Overview Modeling App Demo Next Steps

THANKS

Does anyone have any questions?





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