Starbucks Capstone



Predict next purchase time





Classifying our customers

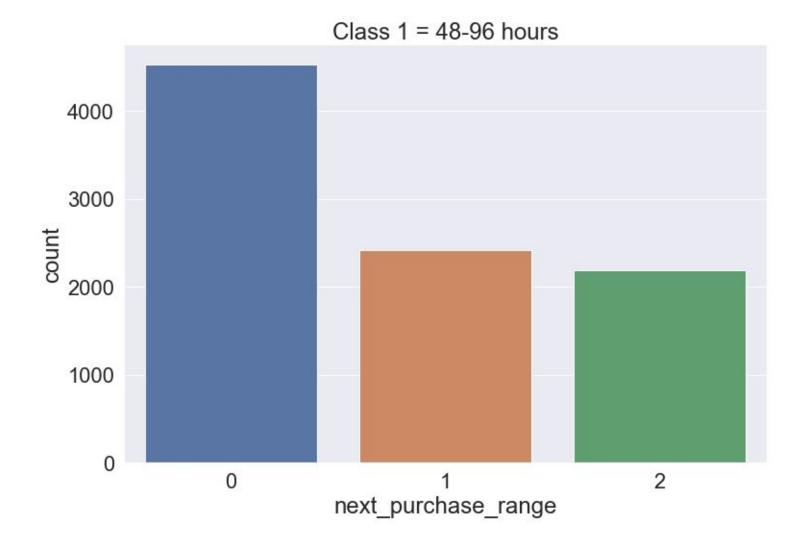
- Next purchase in 5 or more days
- Next purchase in 2-5 days
- Next purchase within 2 days



Our Data

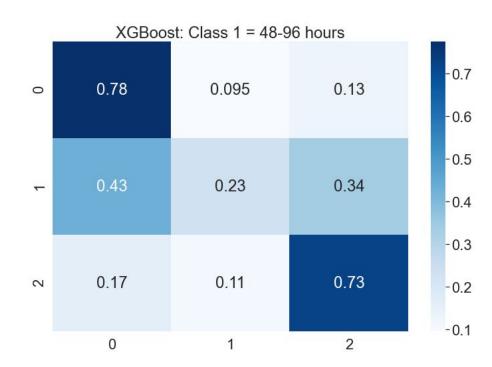
- 9,130 customers
 - Demographics (gender, age, income)
- 30-day timeline
 - Hour of purchase (0-714)
 - Value of purchase
- Customer value
 - Recency
 - Frequency
 - Monetary
- Next purchase
 - First purchase in last 10 days last purchase in first 20 days





Errors we most want to avoid

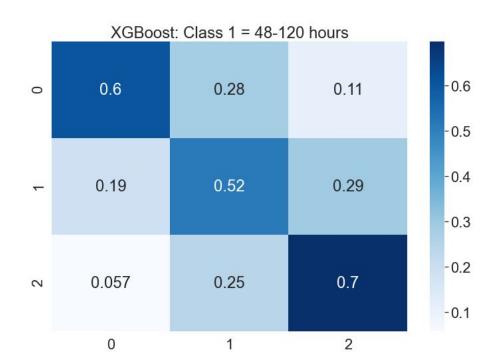
- Class 2 predicted as Class 0
- 2. Class 1 predicted as Class 0
- 3. Class 2 predicted as Class 1





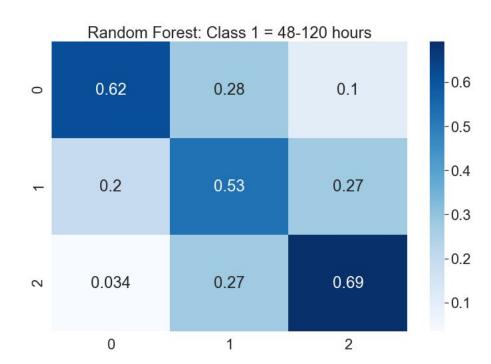
Errors we most want to avoid

- 1. Class 2 predicted as Class 0
- 2. Class 1 predicted as Class 0
- 3. Class 2 predicted as Class 1



Errors we most want to avoid

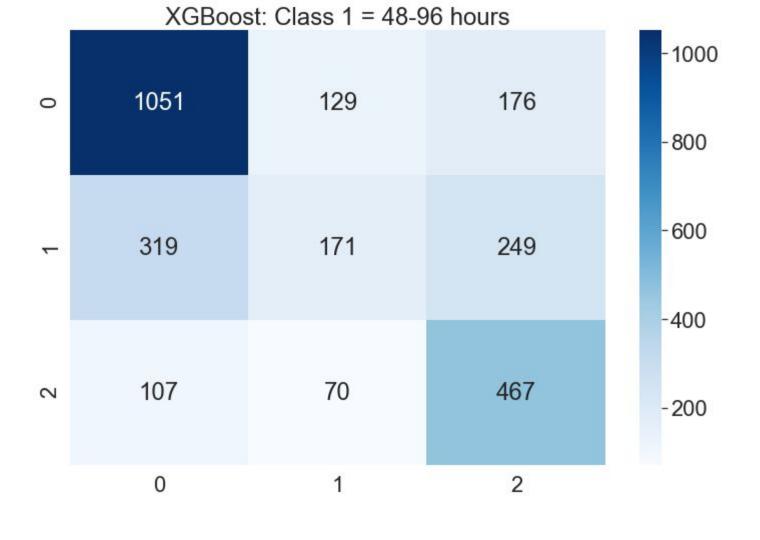
- 1. Class 2 predicted as Class 0
- 2. Class 1 predicted as Class 0
- 3. Class 2 predicted as Class 1

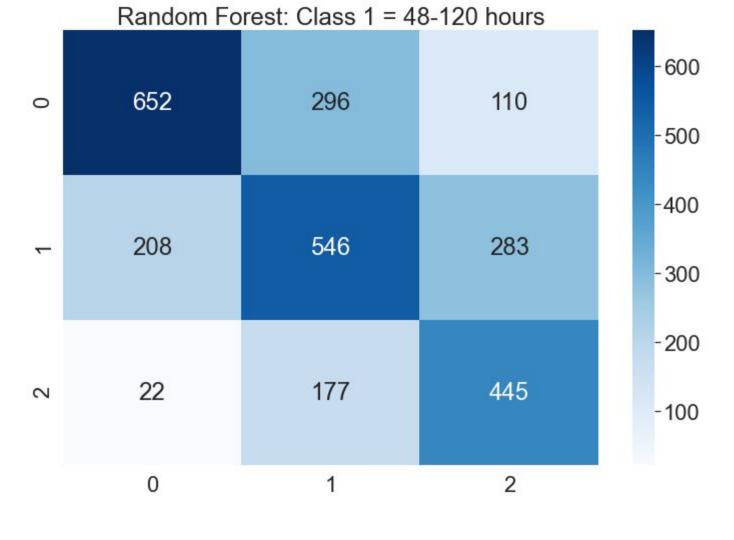


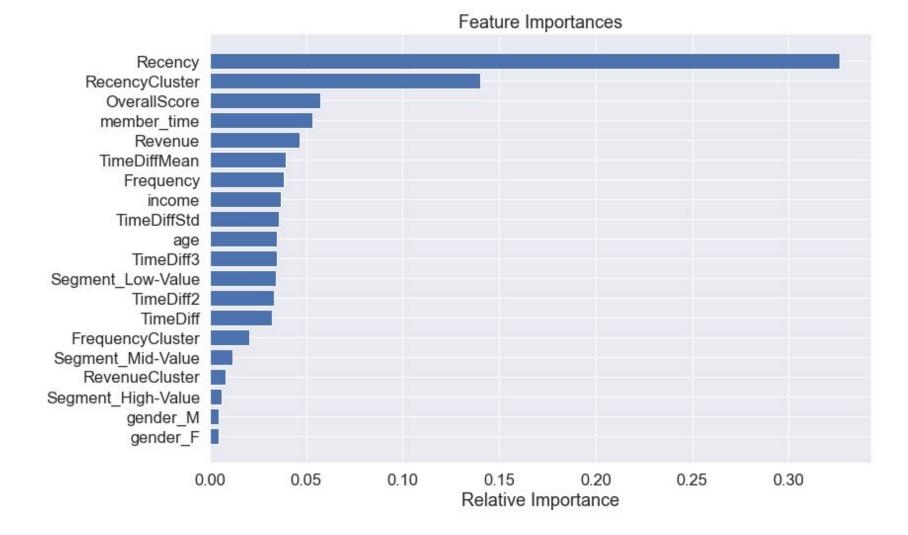
60%

Is that accurate enough?

2,739 customers







Next steps

- More Recency categories?
- Keep customers coming every day, or every week.
- Make the best use of our offers.

