

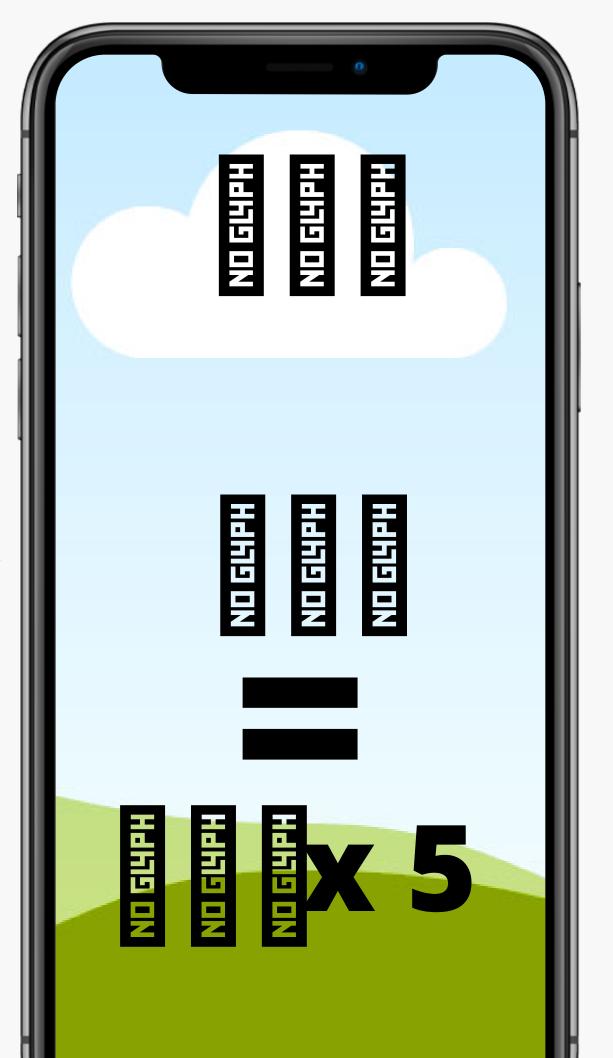
Churn incurs incredible costs

IT CAN COST UP TO 5 TIMES AS
MUCH TO ACQUIRE A NEW
CUSTOMER AS IT DOES TO KEEP AN
EXISTING CUSTOMER

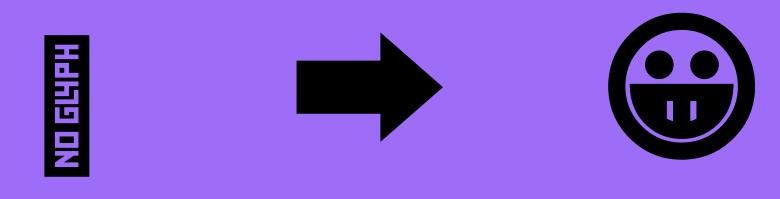
Churn

New

Existing



- HOW RELIABLY CAN WE PREDICT CUSTOMER CHURN?
- HOW DO WE KEEP CUSTOMERS FROM LEAVING?





Accuracy Baseline

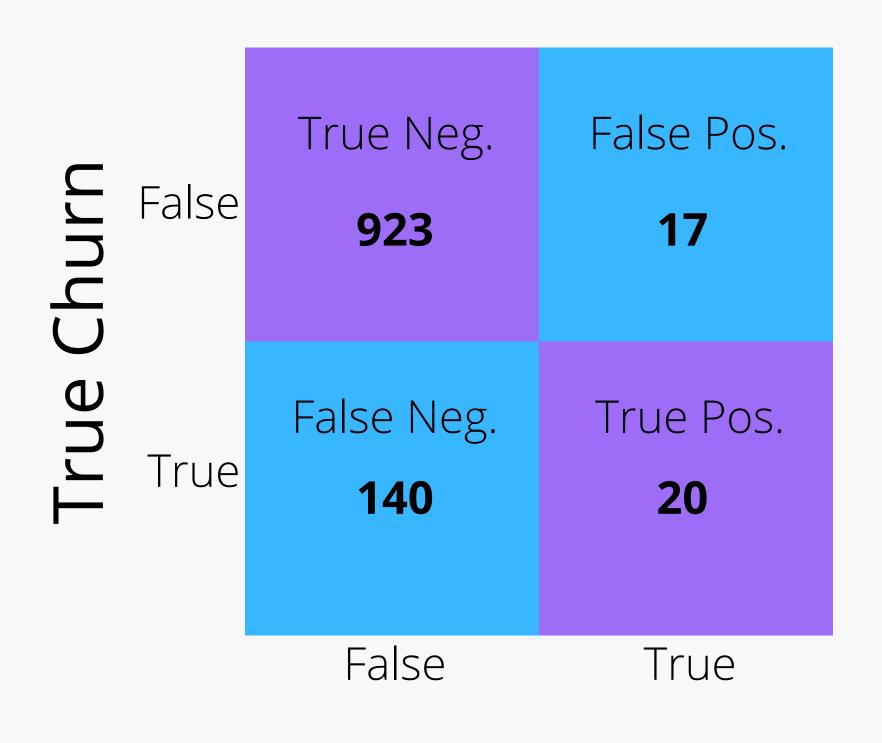


14.5% churn



85.5% no churn

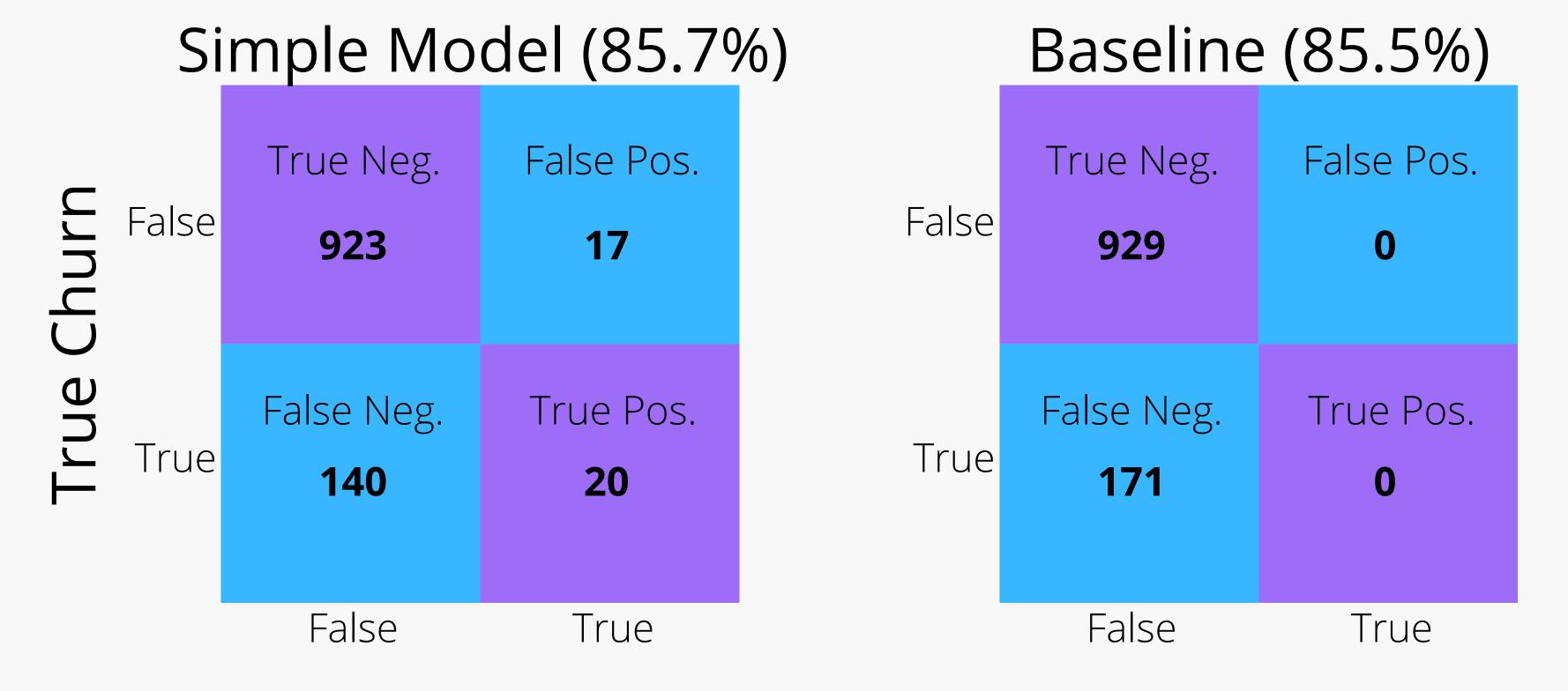
Simple Model



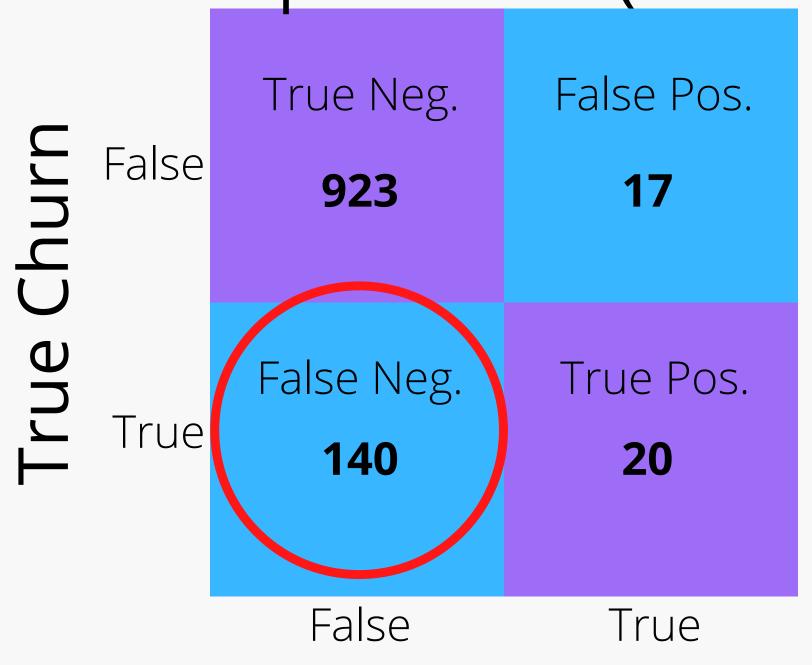
85.7% Accuracy

85.5% Baseline

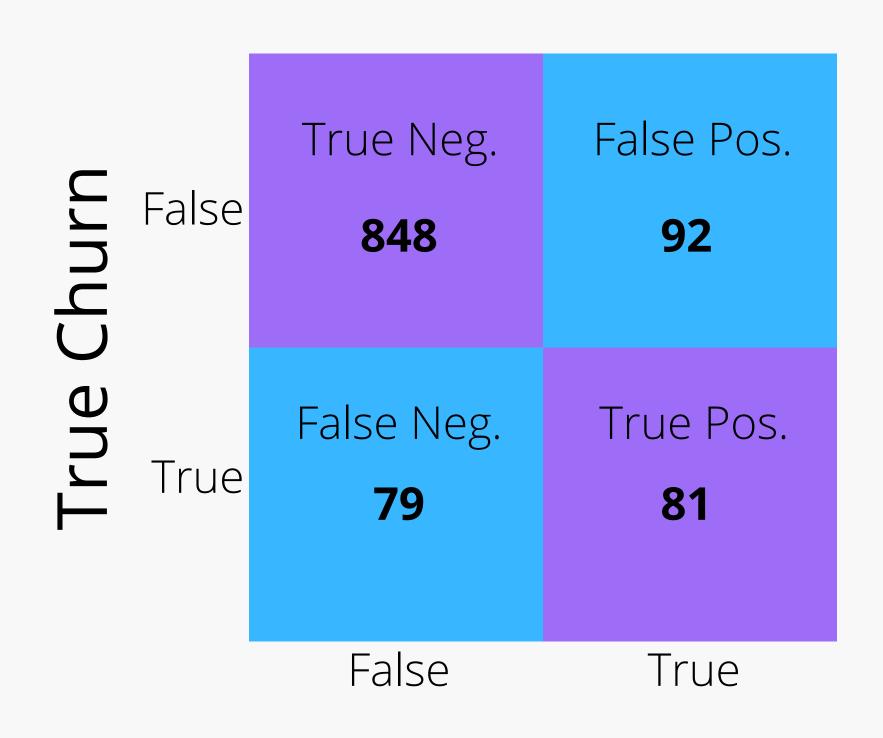
Accuracy Comparison



Reduce False Negatives Simple Model (85.7%)

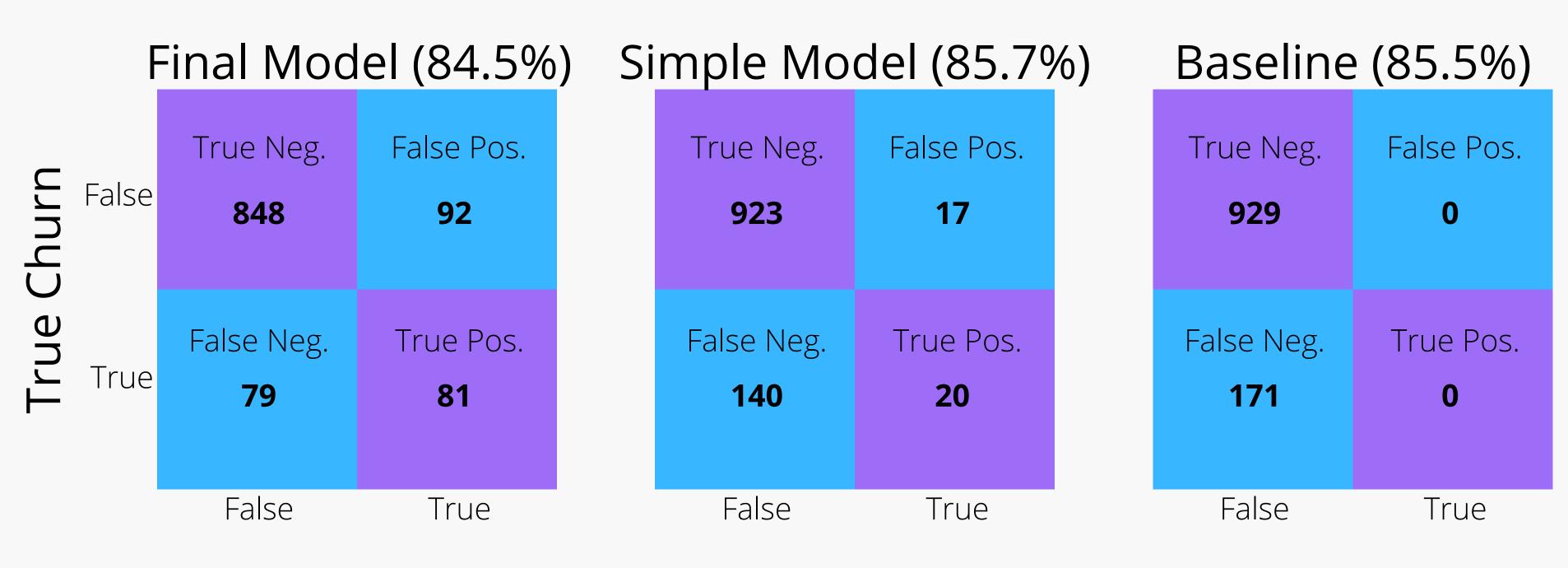


Final Model



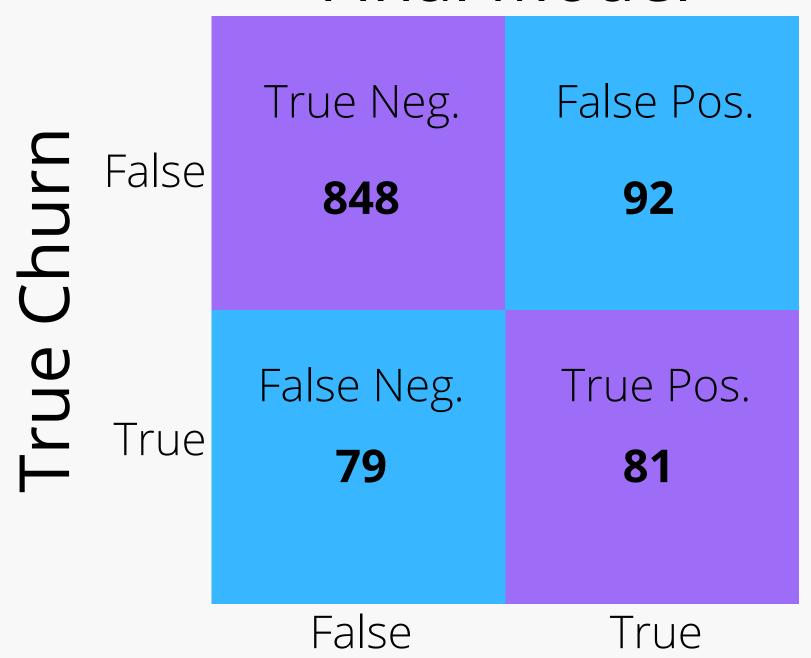
84.5% Accuracy

Final Comparison



Predicted Churn

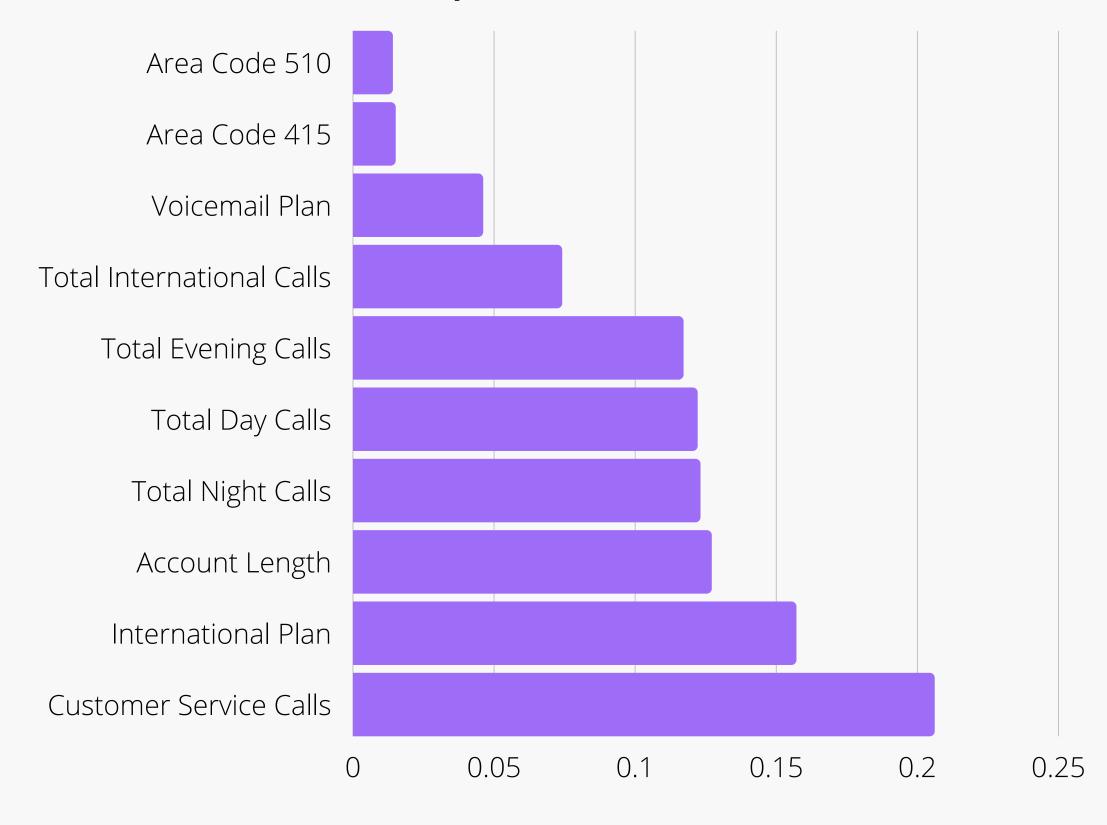
Recommendations Final Model



1. Offer special incentives to potential churners. This may significantly decrease monthly churn

Recommendations

Most Important Features



2. Volume of **customer service calls** and having an **international plan** can help with early detection.
Consider improving the quality of these experiences to offer customers a better product, increasing their chances to stay.

Good Luck!

