

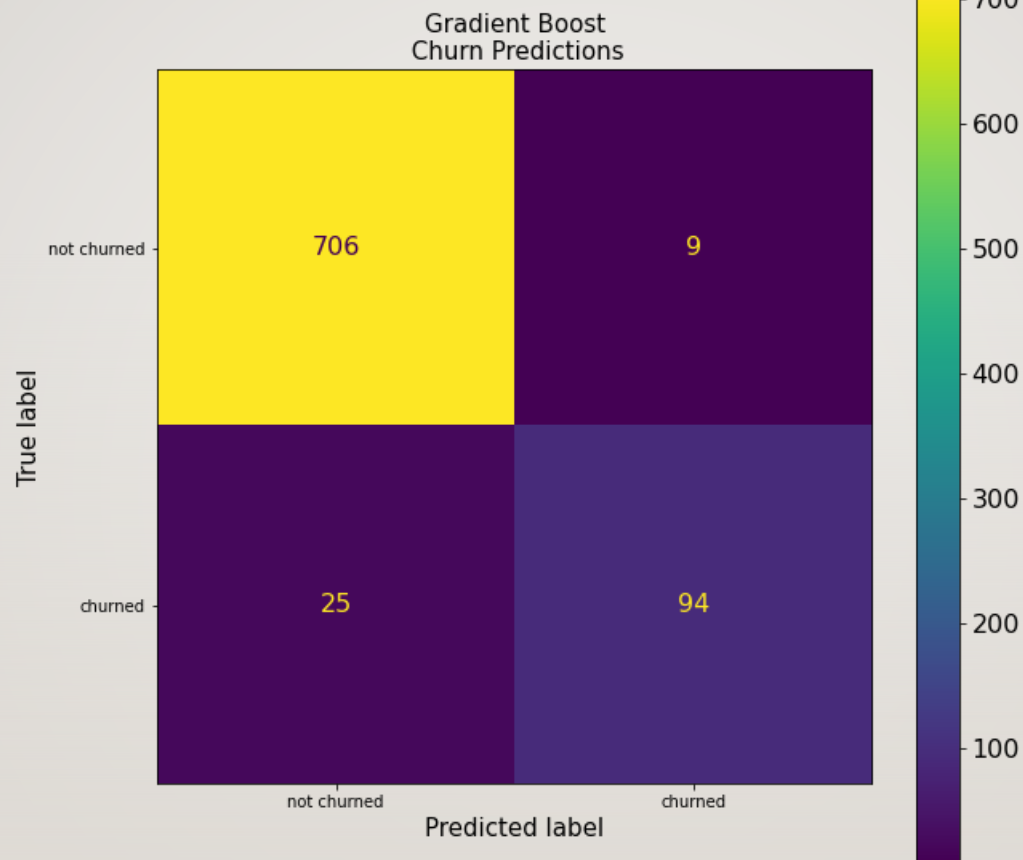
SYRIATEL CUSTOMER CHURN ANALYSIS

MARINA SAITO

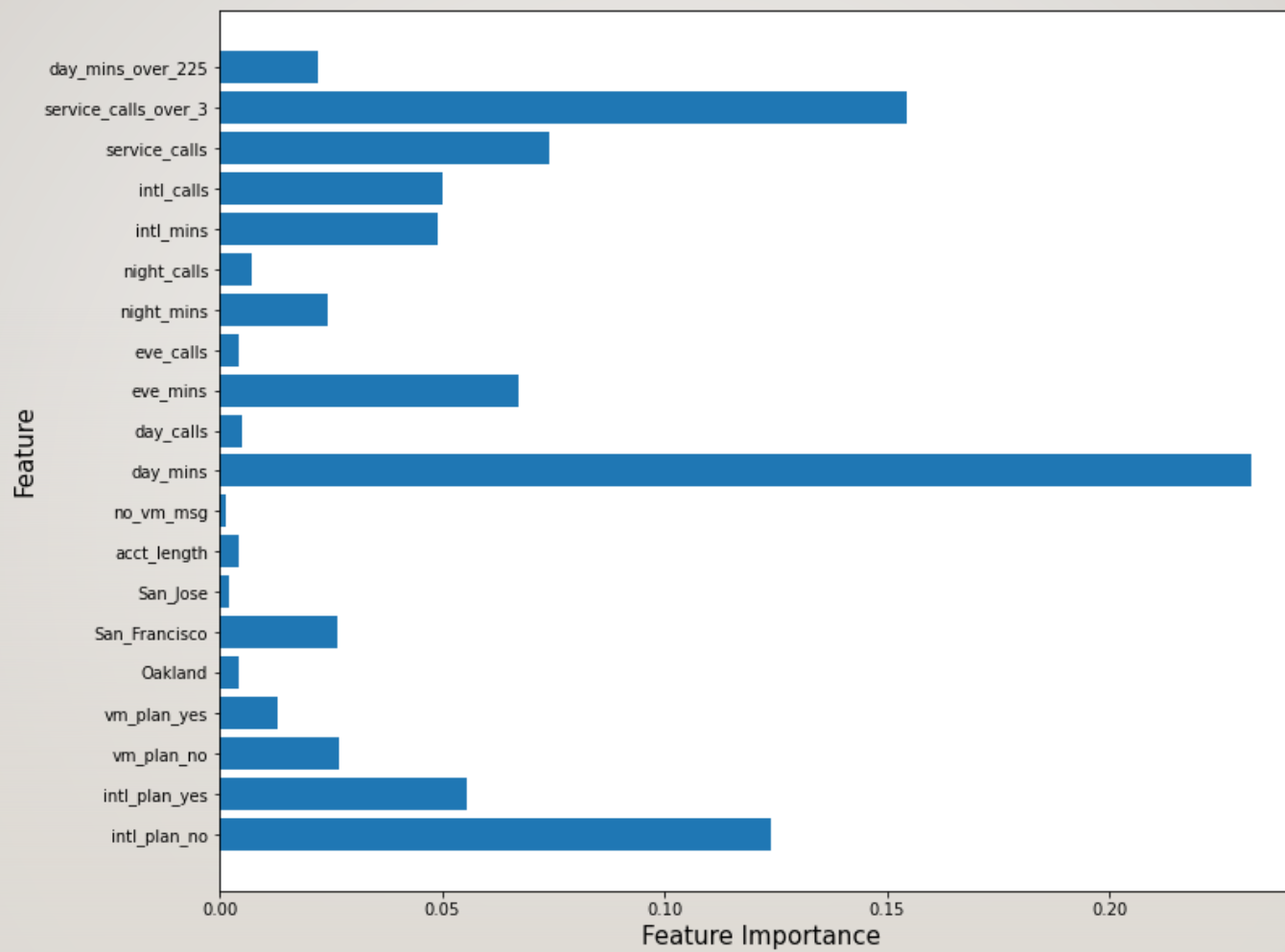
MAY 12, 2021

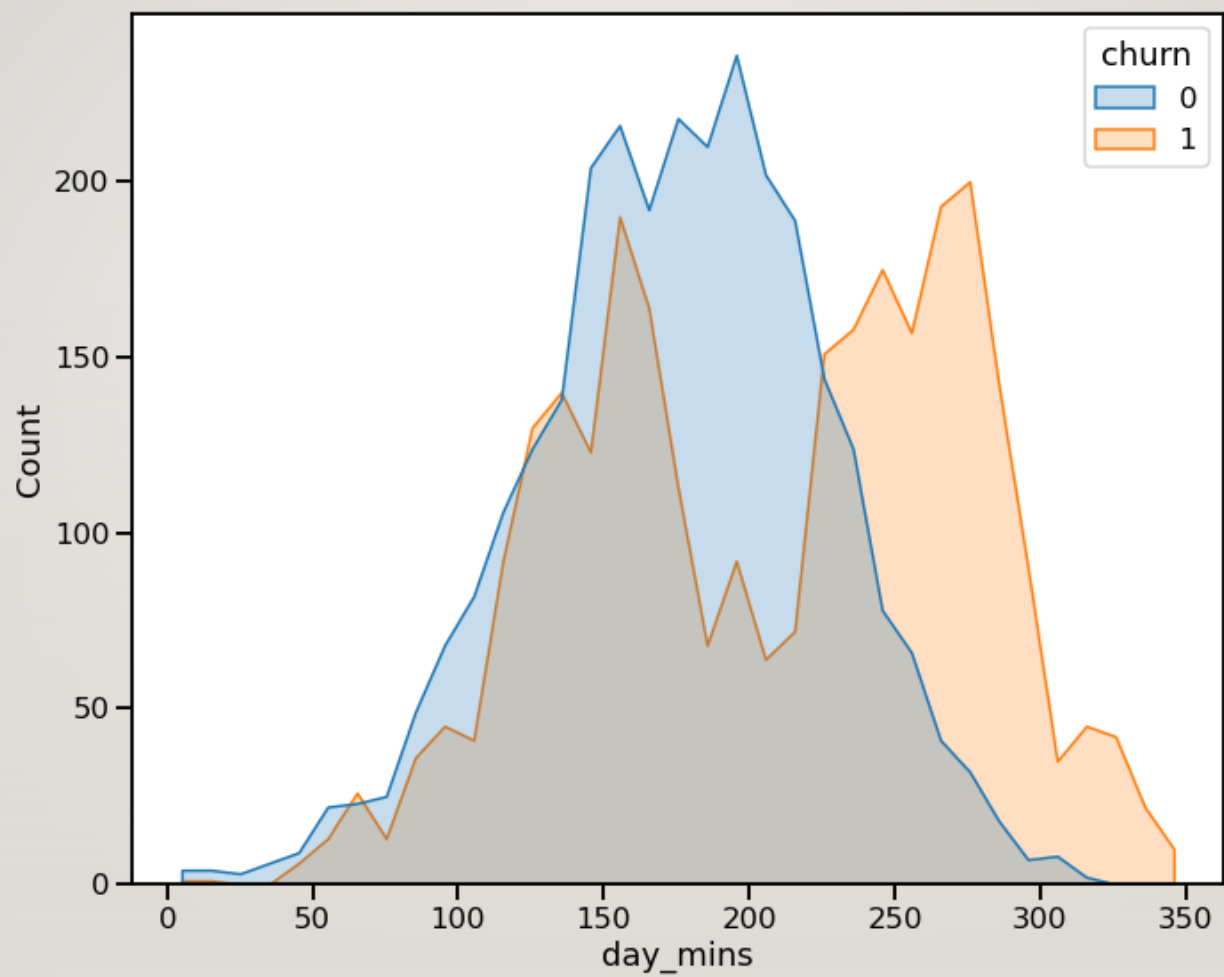
BUSINESS PROBLEM

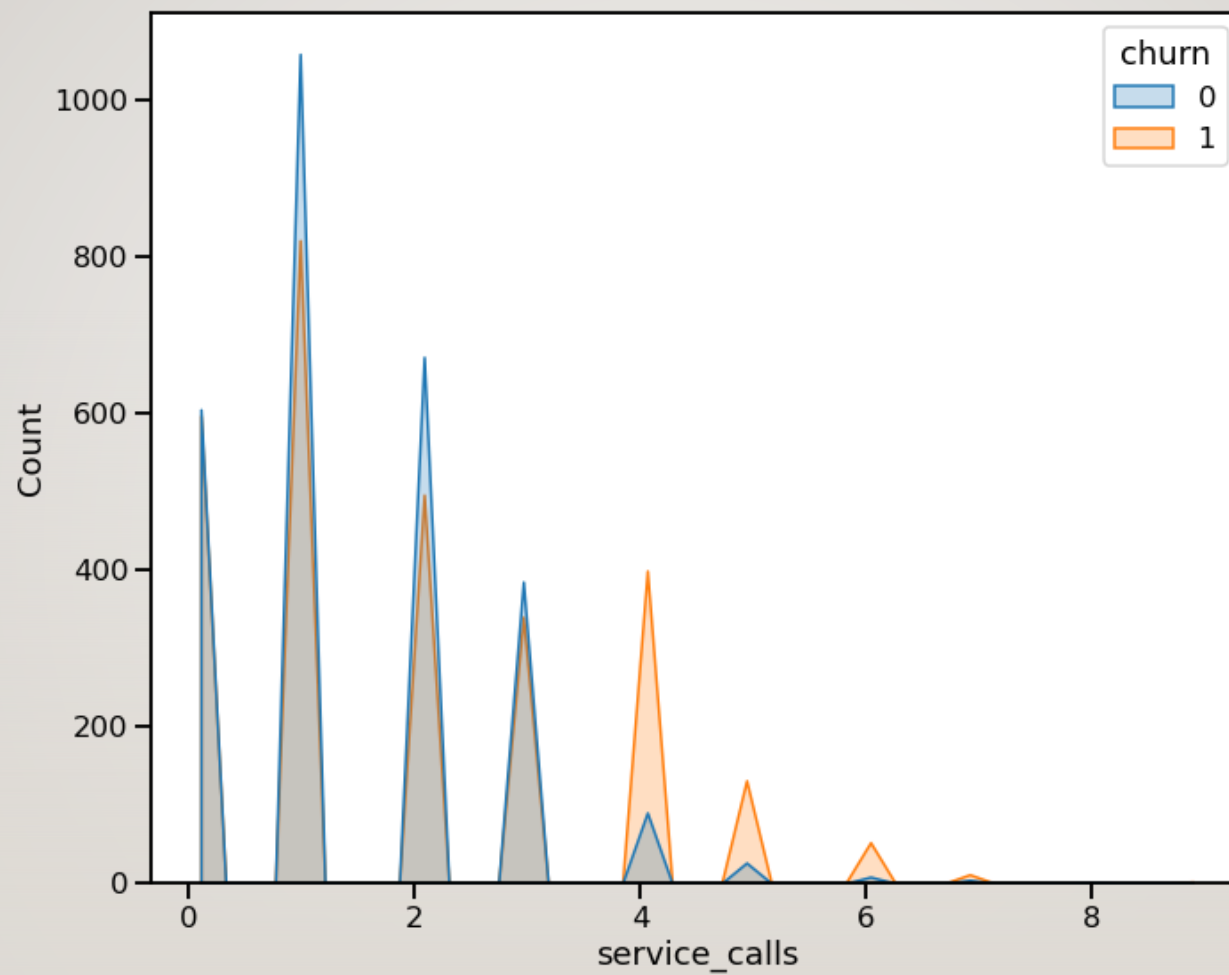
- SyriaTel Is Losing Revenue Investing in Short-Term Customers
 - It would like a Classification Model to Accurately Identify Short-Term Customers
- Important to also Accurately Identify Long-Term Customers to Avoid Alienating Them by Treating Them like a Short-Term Customer
- Created a Model that Accurately Classifies both Short-Term and Long-Term Customers while Minimizing any Mischaracterizations

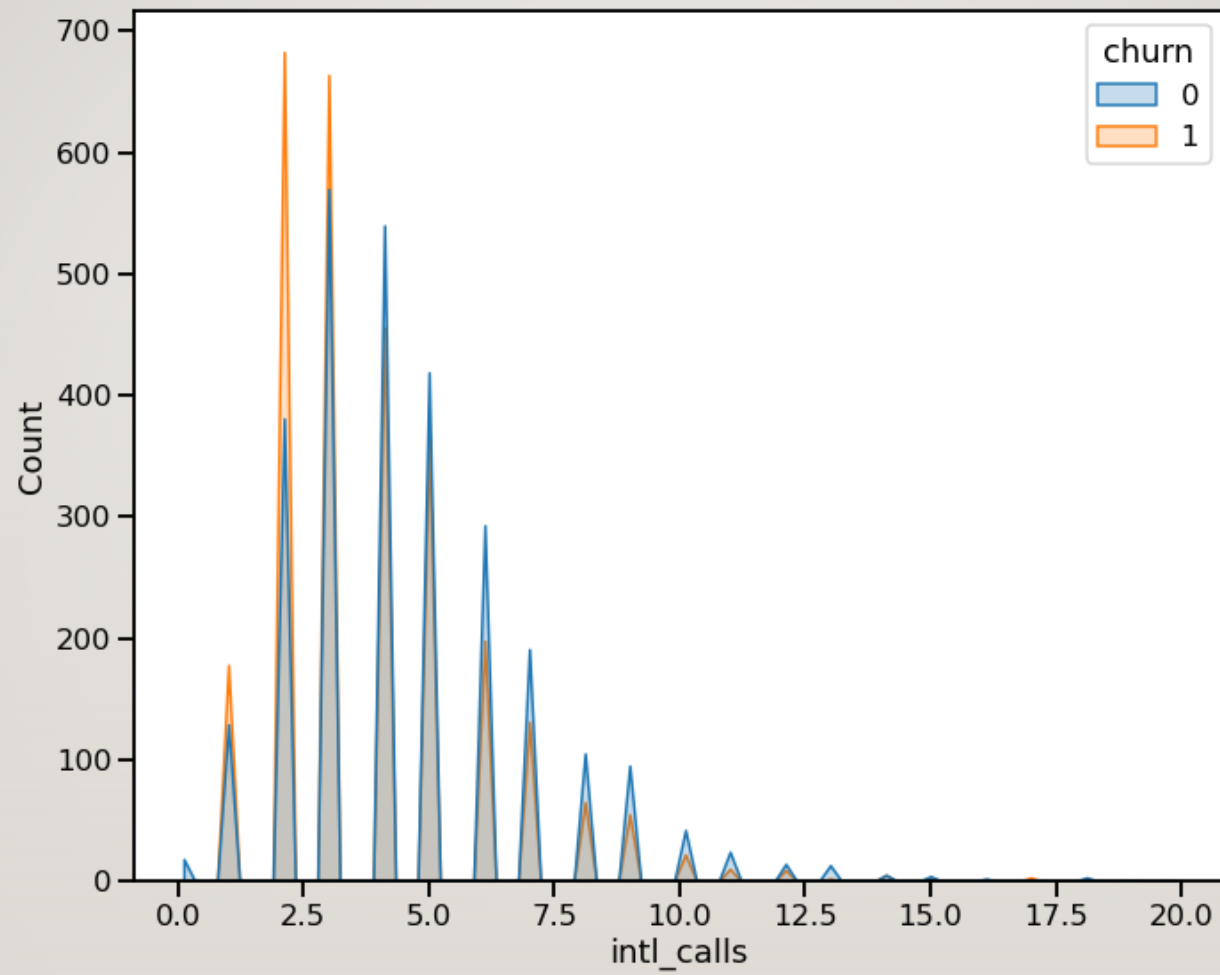


Model Classified Test Data
With 96% Accuracy









CONCLUSIONS

- Created a model that classifies long-term customers and short-term customers with a 96% accuracy
- Model is better at classifying long-term customers rather than short-term customers

NEXT STEPS

- Can tweak the model to better classify short-term customers, but will likely result in decreasing the number of long-term customers that are classified correctly
- Investigate important features further
 - Determine impact of day minutes between long-term and short-term customers
 - Determine impact of the number of service calls made on long-term vs. short-term customers
 - Determine the impact of international services used by long-term vs. short-term customers

Thank You!

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