

Metric - Recall

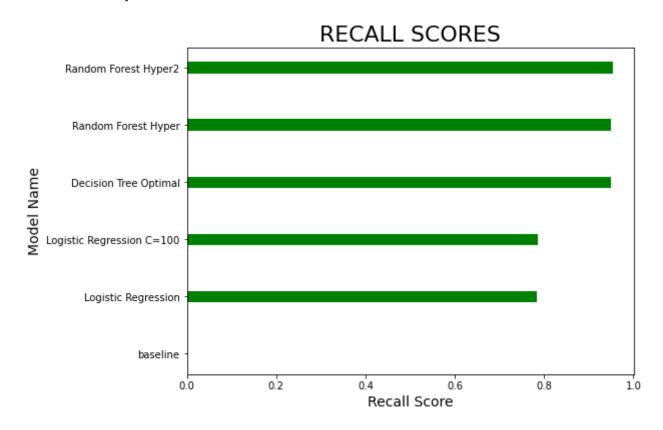
We are primarily concerned with Recall in this situation. Getting as many of the churned customers identified is very important.

False Negatives are the primary concern with Recall. Getting this as low as possible was the goal. Due to the nature of the problem it will be very challenging to get all the churns identified without have a ton of False Positives.

While False Positives are not our primary concern, too many false positives will add additional costs that may negate the savings made by identifying the churned customers.

Iterative Modeling process

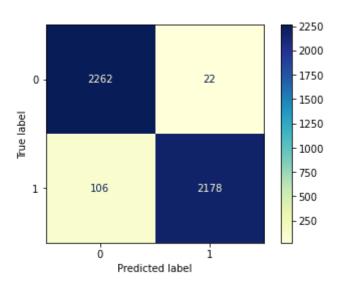
Recall Comparison



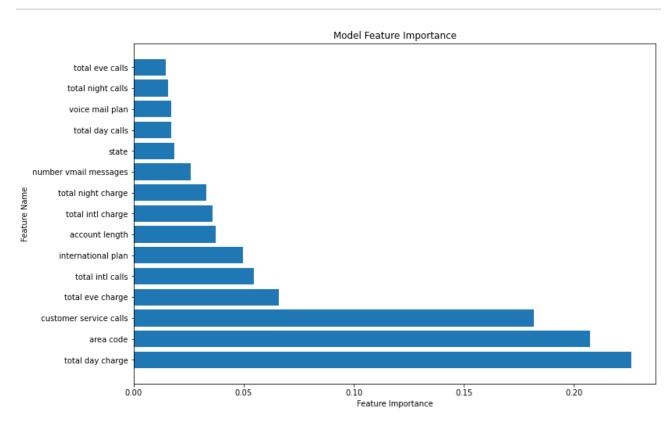
Final Model

The final model was a Random Forest Classifier with hyper-tuned parameters.

Confusion Matrix



Feature Importance



Deliverables

- Non-Technical Presentation
- GitHub Repository
- Jupyter Notebook

Releases

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Packages

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Languages

Jupyter Notebook 100.0%