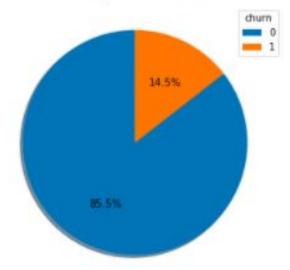


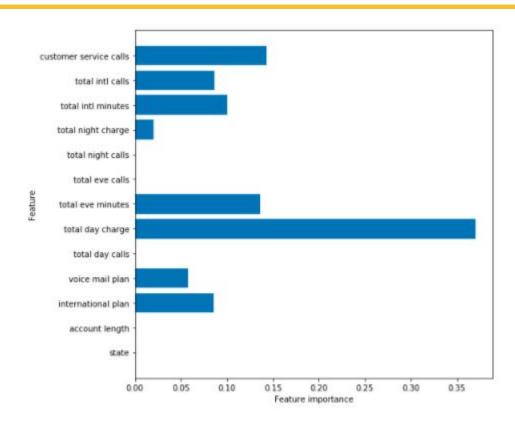
Our Data

- **□** Total Customers:
 - **□** 3,333
 - No Churn: 2,850
 - ☐ Churn: 483
- Key Features
 - ☐ State
 - International Plan
 - → Voicemail PLan
 - Total day calls
 - ☐ Total day charges
 - ☐ Total night minutes
 - ☐ Total night calls
 - ☐ Total night charge
 - ☐ Total international charge
 - □ Total International calls
 - Customer service calls



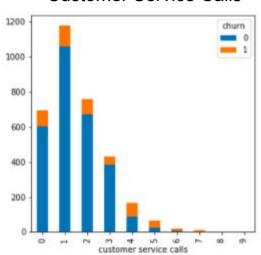


Model's Most Important Features

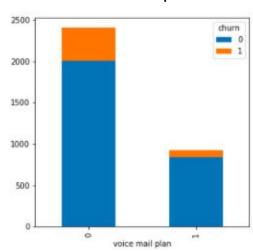


Feature Exploration For Setup

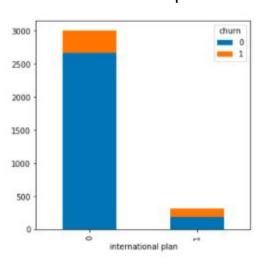
Customer Service Calls



Voicemail plan



International plan

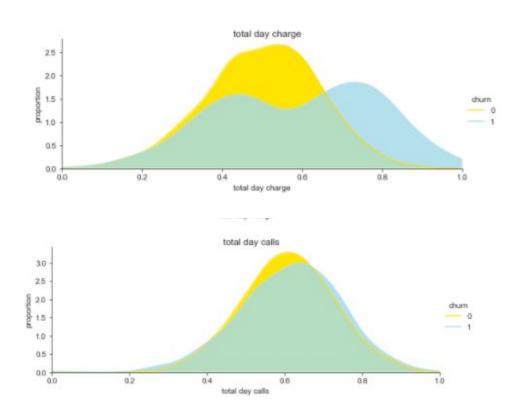


Clearly a trend that after 3 customer service calls you start to see diminishing returns

Less churn if you set up a voicemail plan

Nearly 50% of those with international plans are churning

Feature Exploration For Daily Use



This was our largest key indicator. Greater the charges, higher the churn

Total calls during the day does not have such an obvious trend.

Business Suggestions on Important Features

- 1. Customer Service Calls:
 - a. Improve FAQ's for limited service calls
 - b. Dive deeper into the largest reasons customers are calling
- 2. Total Day Charge
 - a. Notifications to customers in advance of overages
 - b. Pay plans for customers who anticipate overages
- 3. International Plan
 - a. There are very few customers even using international plans, and those that are, nearly 50% are churning. Possibly get rid of this service completely.

Places Worth Further Examining

- Wholistic time data: Interesting to combine all of the data for day and night time into a wholistic picture of total minutes/charges throughout.
- 2. Digging into the probability of each customer churning over a certain time period. Can we predict the probability of exactly when each customer might churn
- 3. Competitor solution data. Can we tap into how other phone companies are combating these churn issues.

