This competition is about predicting whether a customer will change telecommunications provider, something known as "churning".

The training dataset contains 4250 samples. Each sample contains 19 features and 1 boolean variable "churn" which indicates the class of the sample. The 19 input features and 1 target variable are:

- **"state"**, string. 2-letter code of the US state of customer residence
- **"account_length"**, numerical. Number of months the customer has been with the current telco provider
- **"area_code"**, string="area_code_AAA" where AAA = 3 digit area code.
- **"international_plan"**, (yes/no). The customer has international plan.
- **"voice_mail_plan"**, (yes/no). The customer has voice mail plan.
- **"number_vmail_messages"**, numerical. Number of voice-mail messages.
- **"total_day_minutes"**, numerical. Total minutes of day calls.
- **"total_day_calls"**, numerical. Total minutes of day calls.
- **"total_day_charge"**, numerical. Total charge of day calls.
- -**"total_eve_minutes"**-, numerical. Total minutes of evening calls.
- -**"total_eve_calls"**-, numerical. Total number of evening calls.
- -**"total_eve_charge"**-, numerical. Total charge of evening calls.
- -**"total_night_minutes"**-, numerical. Total minutes of night calls.
- -**"total_night_calls"**-, numerical. Total number of night calls.
- -**"total_night_charge"**-, numerical. Total charge of night calls.
- -**"total_intl_minutes"**-, numerical. Total minutes of international calls.
- -**"total_intl_calls"**- numerical. Total number of international calls.
- -**"total_intl_charge"**-, numerical. Total charge of international calls
- -**"number_customer_service_calls"**-, numerical. Number of calls to customer service
- -**"churn"**-, (yes/no). Customer churn - target variable.