Hypothesis- Pricing changes affect the customer churning from PowerCo.

Majority of the companies do not churn away. Variables such as cons_12m, cons_gas_12m, cons_last_month, imp_cons- consumption variables have extreme maximum values with churn values as '0'

Step 1- Data Cleaning

Step 2- Plot boxplots, histograms, and probability distribution plots for Consumption variables in client_df data frame

Step 3- Plot boxplots, histograms, and probability distribution plots for Forecast variables in client_df data frame

Step 4- Check price sensitivity vs churning

Using groupby method on 'id' column in price_df, merge it with client_df data frame on 'id' column

Step 5- Plot a sns heatmap to give the correlation between variables

There are 1490 values in id column of price_df which are not present in id column of client_df

None of the correlation values between churn and other variables in price_df are more than 0.47

Conclusion- Price sensitivity does not affect customer churning