STT 811

In-Class Assignment 3

1. Use the Customer History data and follow the steps to generate all necessary rows for the modeling dataset. You do not have to generate the target (yet).

```
years <- data.frame(year = seq(2005,2022))

customer_history2 <- sqldf("SELECT *
    FROM customer_history
    INNER JOIN years
    WHERE year <= Last_Year
    AND year >= First_Year")
```

- 2. With the order_history dataset,
 - a. Use the pivot_wider function to create separate columns by year.

b. Use the the pivot_longer function to transform the data generated in (a) to the similar form. Compare the number of rows to the original dataset.