Northeastern University
College of Engineering

INFO 6210 Data Management and Database Design

Wholesale Database Management System

Views and Visualization

Project Team - 14

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Visualizations

Figure 1 - Represents a visualization of the Refund Details of a Customer in Different states of the United States on the map. This visualization makes it easier for whoever is viewing the report to easily understand the refund status and in which part of the country more refunds are being claimed. This report was generated on the Tableau Desktop. When the mouse hovers over the dot the refund details are displayed, and the status of the refund is represented by colors and the size of the dot varies by the refund amount.

Labels: City, State, Customer Name, Refund Status, Refund Amount($)

Color: Refund Status

Co-ordinates: City

Size: Refund Amount($)

Filter: Refund Status

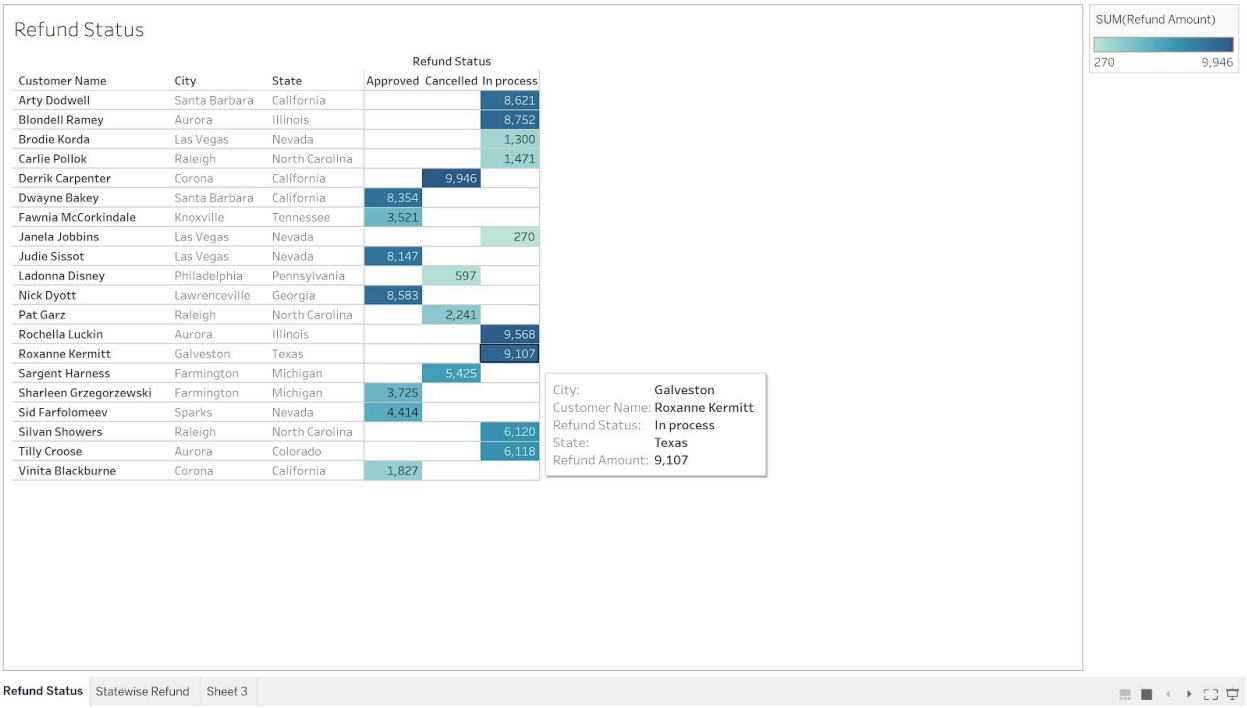

Figure 2 - This is an extension to the Fig 1 report, this report contains a more traditional report format, It contains the customer name, city, state, and Refund amount in the respective refund status column. The rows are colored based on the size of the amount, darker the shade, larger the amount.

X-axis: Customer Name, City, State

Y-axis: Refund Status

Labels: Refund Amount($)

Colors: Refund Amount($)

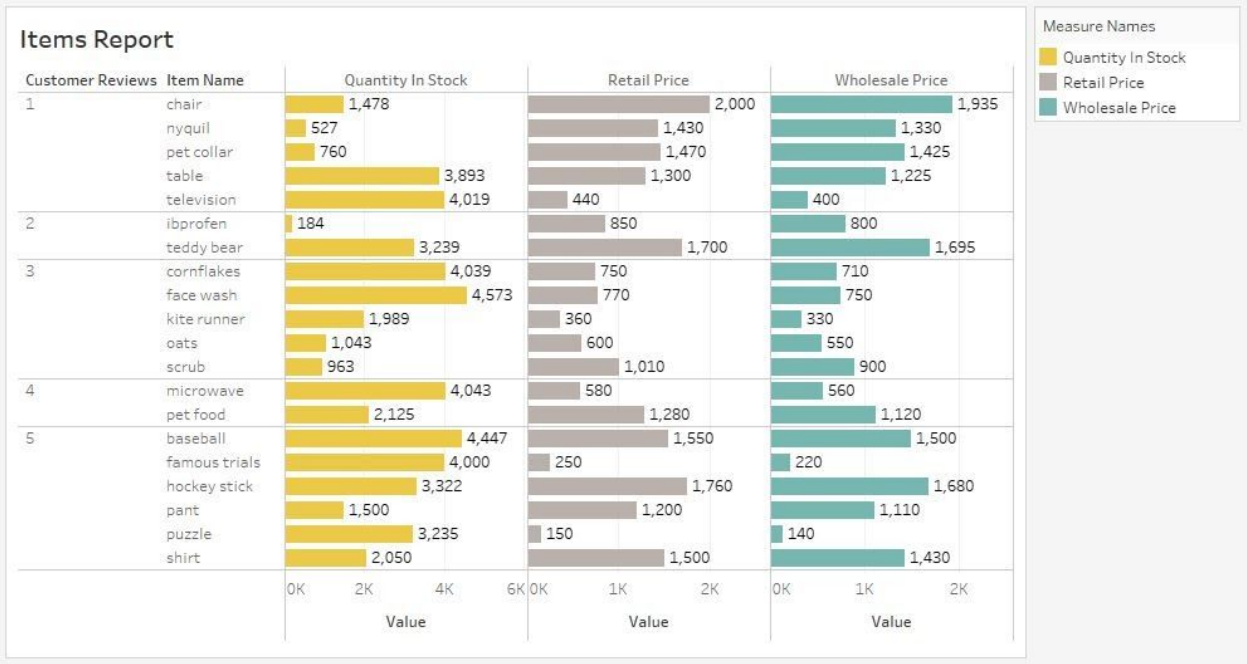

Figure 3 - The above visual depicts the Customer Reviews, the Retail and Wholesale pricing of each item in the Database. Additionally, the count of each item as Quantity in Stock. All of these parameters are crucial to the understanding of the item's existence in the warehouse, helping to make decisions based on its supply and demand.

X-axis: Customer Reviews, Item Name

Y-Axis: Quantity in Stock (count), Retail Price ($), Wholesale Price ($)

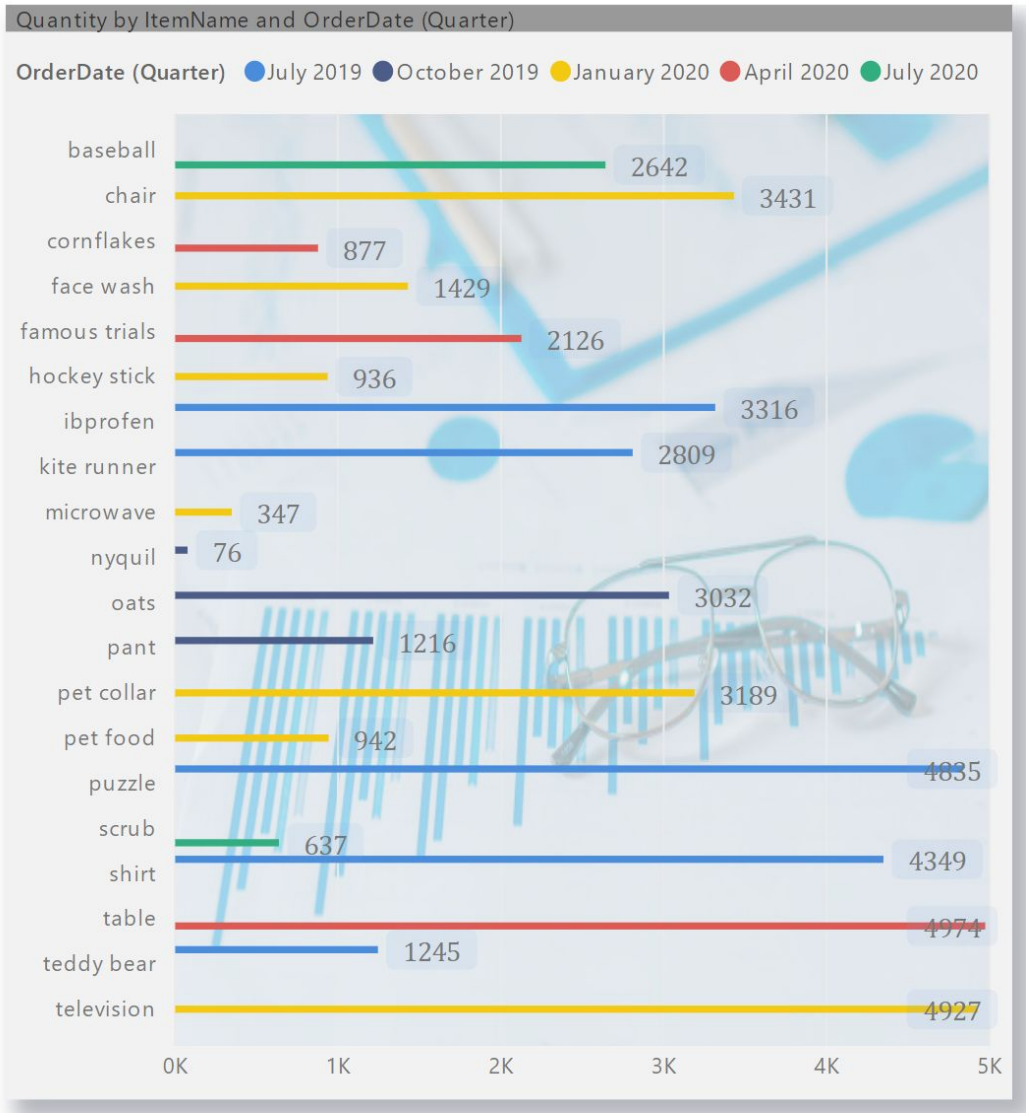

Figure 4 - The Visual depicts the month on month demand of various products for the year July' 19- July'20. The two parameters involved here are the item name and the number of items ordered during the entire year. All this data is important for visualizing the sales trend and how much quantity should be stocked in the warehouse for the future.

X-axis: The quantity (number) of items sold during the entire year

Y-axis: List the name of various items that were sold