Segmentation Analysis By Nicholas Jones

Metrics

- 1. Average Hotel Reservation Period: average amount of days that buyers occupied a hotel room.
- 2. Total_Bags: total sum of checked bags.
- 3. **Total_Bookings**: the sum of the number of book seats on a flight and the number of hotel rooms booked.
- 4. **Average_Discount_Rate_Per_Booking**: the midpoint of the two discount rates divided by the total number of hotel and flight bookings.
- 5. **Total_Base_Fare**: the sum of the base fare prices.

Methodology

- 1. Segmentation strategy: **average** +/- **3*Margins of Error** using the variable **Vacation_Duration** (the average number of vacation days); in this case, the average is 2.63404 days, and an M.E. is 4.13406 days.
- 2. Each group has a significant name: "G1" is the group that is closest to the average, "G2" is the 2nd closest group, and etc.

Visualization: Segmentation Bars



- The **first number** on each bar is the customer count.
- The **second number** is the approximate total revenue from flight bookings that is generated by each bar.
- If there is a **third number**, it is the metric of that respective chart.

Insights

- 1. All of the metrics have averages that are close to **Vacation Duration**'s average.
- 2. This means that the average is very low, and most of the customers will be close to **Vacation_Duration**'s average.
- 3. Since the customers are very closely distributed around the average, this means that not every group will have customers.
- 4. Customers are mostly in "G1" and "G2," and they generate the most revenue in 4 of the 5 metrics.
- 5. The number of customers in the first 2 groups can be as high as range from over 25,000 customers to up 50,000 customers.

Recommendations

- 1. For all 5 perks, TravelTide needs to choose customers that are closer to the average.
- 2. Elena's theory isn't completely valid.
- 3. TravelTide needs to segment the range (average +/- 3*ME) by segments of the size +/- 1* ME.