Segmentation Analysis By Nicholas Jones

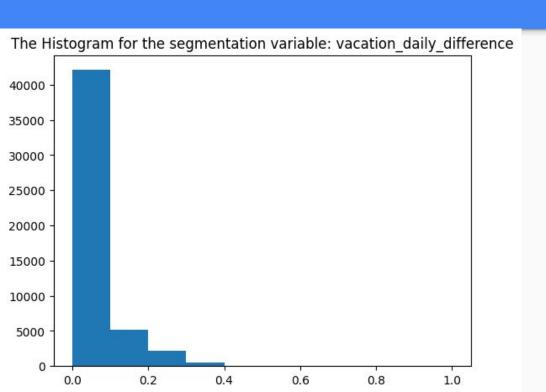
Metrics

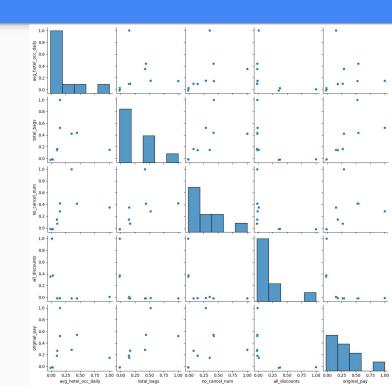
- 1. AVG HOTEL OCC DAILY: average amount of days that buyers occupied a hotel room.
- 2. TOTAL BAGS: total sum of checked bags.
- 3. NO_CANCEL_NUM: the sum of the number of book seats on a flight and the number of hotel rooms booked.
- 4. ALL_DISCOUNTS: the average of the sum of the two discount rates divided by the total number of hotel and flight bookings.
- 5. ORIGINAL_PAY: the sum of the base fare prices.

Methodology

- 1. Segmentation strategy: mean +/- 3*Margins of Error using the variable VACATION_DAILY_DIFFERENCE (the average number of vacation days): In this case, the mean (M) is .0452, and an M.E. is .0710.
- 2. Each group has a significant name: "G1" is the group that is closest to the mean, "G2" is the 2nd closest group, and etc.

Visualizations: Histograms





Insights

- 1. All of the metrics are very similarly distributed relative to the segmenting variable.
- 2. This means that the mean is very low and most of the customers will be close to the mean.
- 3. Since the customers are very closely distributed around the mean, this means that not every group will have customers.
- 4. Customers are mostly in "G1" and "G2."
- 5. The number of customers in the first 2 groups can be as high as 48,798.

Recommendations

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