

Merge the merged_df with cost_df Based on shipment_zone, payment_option, And shipment_size

Find Current Cost by multiplying product quantity and cost of the respected vendor Find Cost for all vendors, and store in separate columns

- Q1. Groupby Current Vendor, and sum the product quantity. Find the percentage
- Q2. Groupby Current Vendor, and sum the current cost column created. Find the percentage
- Q3. Find the Minimum from the new cost created for all vendors,
- Q4. Sum the current costs, and minimum costs and find the difference
- BQ1. Groupby shipment_zone and count
- BQ2. Groupby shipment_zone, and shipment_size, and then sum, and find respective percentages
- BQ3. Groupby Current Vendor and find the minimum on the current cost
- BQ4. Find the new vendors who provide minimum cost. Groupby new vendor, find percentage Based on minimum cost