

1. Tabular Visualization - Format the total amount of purchase (TAP) based on 'Store location' and 'Store setting': -

If $0 < \text{TAP} < 35000$, then records should be in red color

If $35000 \leq \text{TAP} < 60000$, then records should be in yellow color

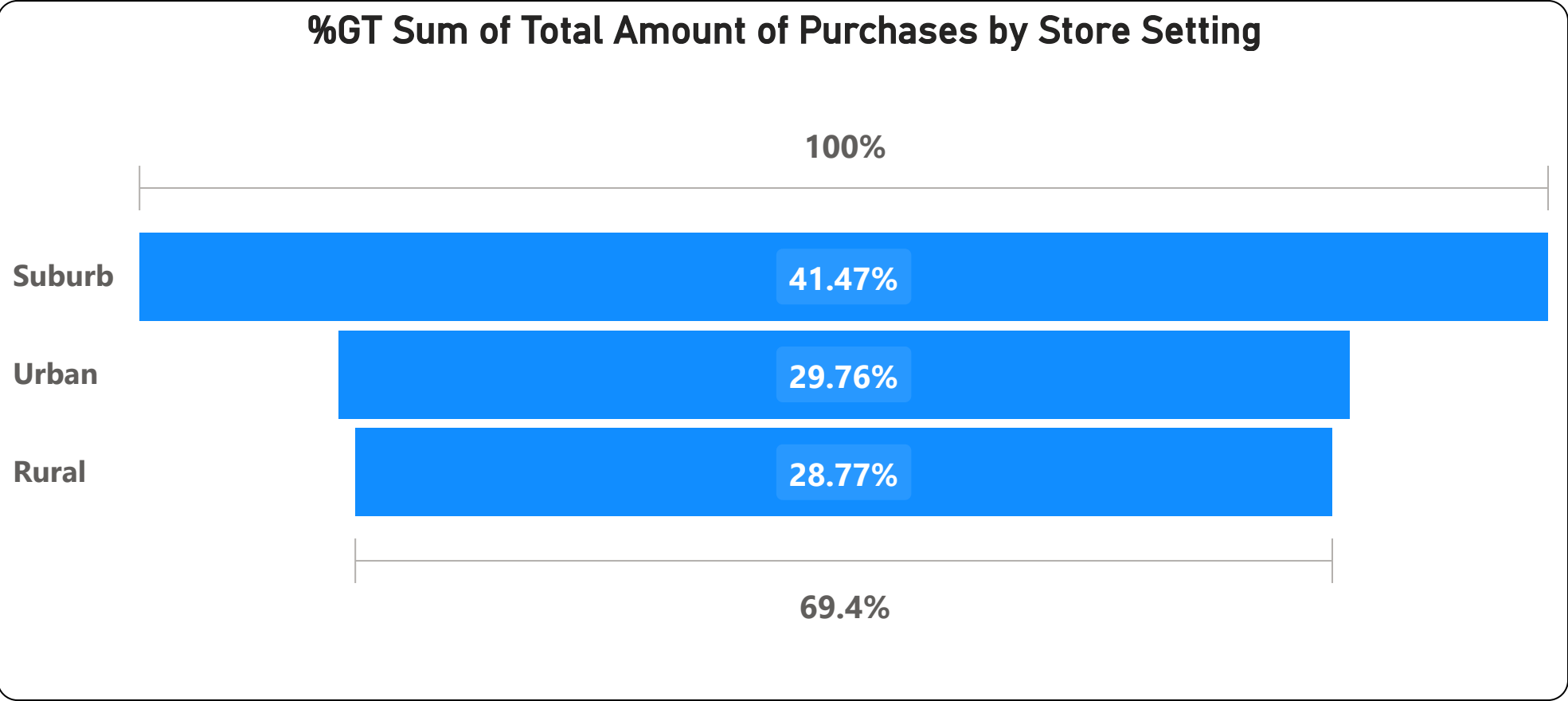
If $0 = 60000$, then records should be in Blue color

| Store Location | Store Setting | Sum of Total Amount of Purchases |
|----------------|---------------|----------------------------------|
| Seattle | Suburb | 83,749.20 |
| Los Angeles | Suburb | 82,419.92 |
| New York | Rural | 69,444.55 |
| Los Angeles | Urban | 54,964.79 |
| Boston | Suburb | 53,835.98 |
| New York | Urban | 51,948.32 |
| Boston | Urban | 50,595.51 |
| New York | Suburb | 46,284.58 |
| Seattle | Rural | 43,228.34 |
| Boston | Rural | 42,016.81 |
| Seattle | Urban | 33,586.53 |
| Total | | 6,42,084.01 |

| Age ▲ | Rural | Suburb | Urban | Total |
|----------|-----------|-----------|-----------|-------------|
| 7 | 3,232.70 | 2,343.82 | 2,230.18 | 7,806.70 |
| 8 | 1,485.23 | 5,198.76 | 3,380.07 | 10,064.06 |
| 9 | 2,181.19 | 1,692.67 | 1,631.93 | 5,505.79 |
| 10 | 866.29 | 3,128.24 | 3,016.29 | 7,010.82 |
| 11 | 1,834.96 | 2,826.51 | 1,712.76 | 6,374.23 |
| 12 | 815.53 | 2,435.98 | 2,547.73 | 5,799.24 |
| 13 | 1,916.92 | 2,353.29 | 2,158.33 | 6,428.54 |
| 14 | 2,282.82 | 1,925.39 | 2,305.94 | 6,514.15 |
| 15 | 2,590.77 | 2,678.28 | 336.36 | 5,605.41 |
| 16 | 2,267.56 | 4,660.62 | 2,437.52 | 9,365.70 |
| 17 | 253.79 | 2,962.89 | 3,404.16 | 6,620.84 |
| 18 | 2,513.88 | 4,417.54 | 1,740.91 | 8,672.33 |
| 19 | 2,094.33 | 2,479.28 | 1,477.14 | 6,050.75 |
| 20 | 3,370.44 | 3,111.24 | 3,621.95 | 10,103.63 |
| 21 | 756.32 | 4,171.83 | 1,313.52 | 6,241.67 |
| 22 | 1,571.70 | 2,307.84 | 1,718.32 | 5,597.86 |
| Total | 30,034.43 | 48,694.18 | 35,033.11 | 1,13,761.72 |

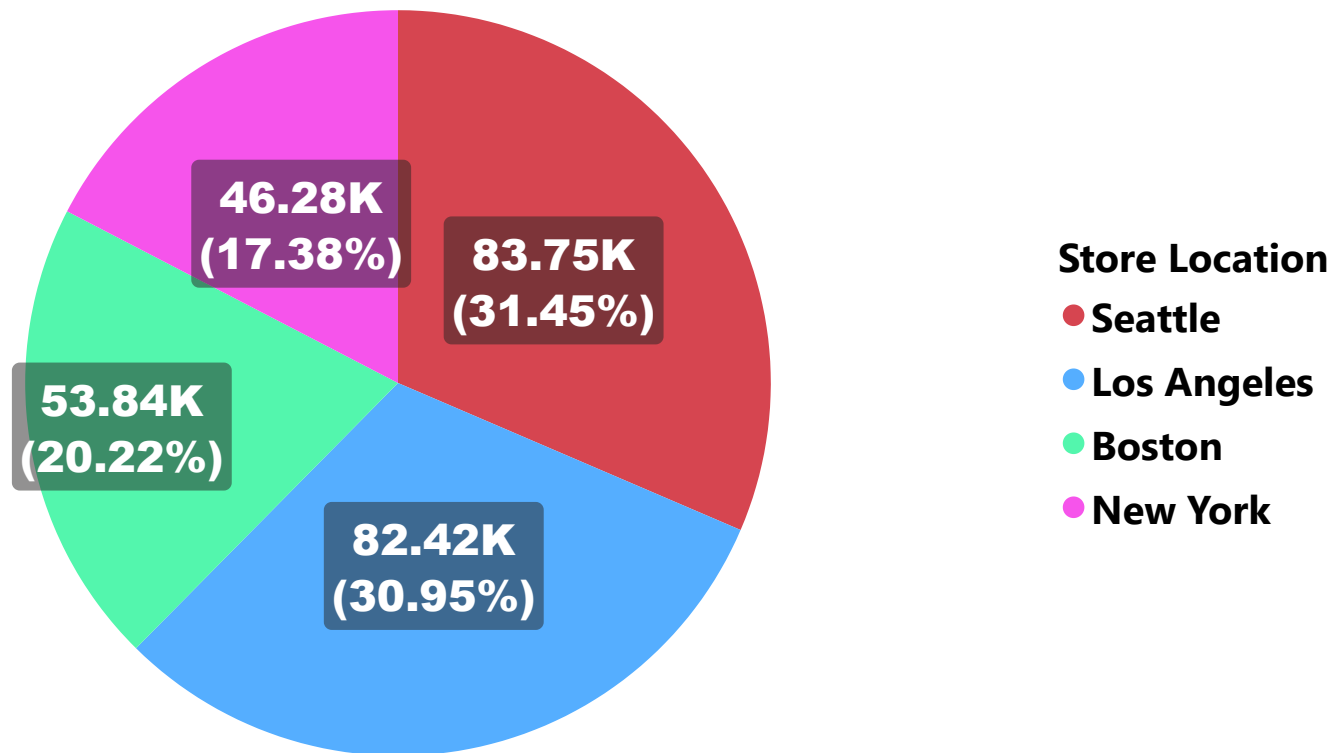
Matrix Visualization – Create Matrix Visualization to show the amount spent on Outdoor sports across different ages and 'Store setting'. Do the color formatting for the amount spent in total outdoor sports.

Funnel chart – Create a Funnel chart to show Total amount of purchase by 'Store setting'. Show the data labels as Percentage of First.



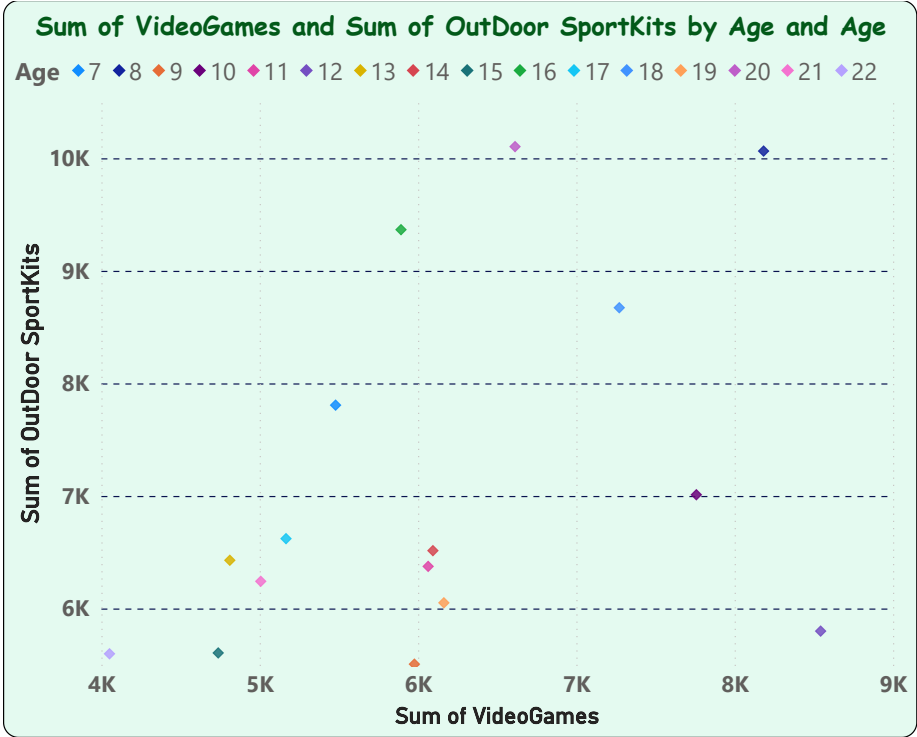


Sum of Total Amount of Purchases by Store Location



Pie chart – Show the total amount of purchase by different 'Store location' for Suburban 'Store setting' only. Hint: Use Filter context

a) Scatter plot - Video games purchase and Outdoor sports spent across the different ages.



b) Sand dance plot - Indoor sports and Video games spent across the different age groups.



Restrict data access for the given users in User mapping table. For ex. Mani deals with Rural area only so she should be able to view the data which belongs to Rural

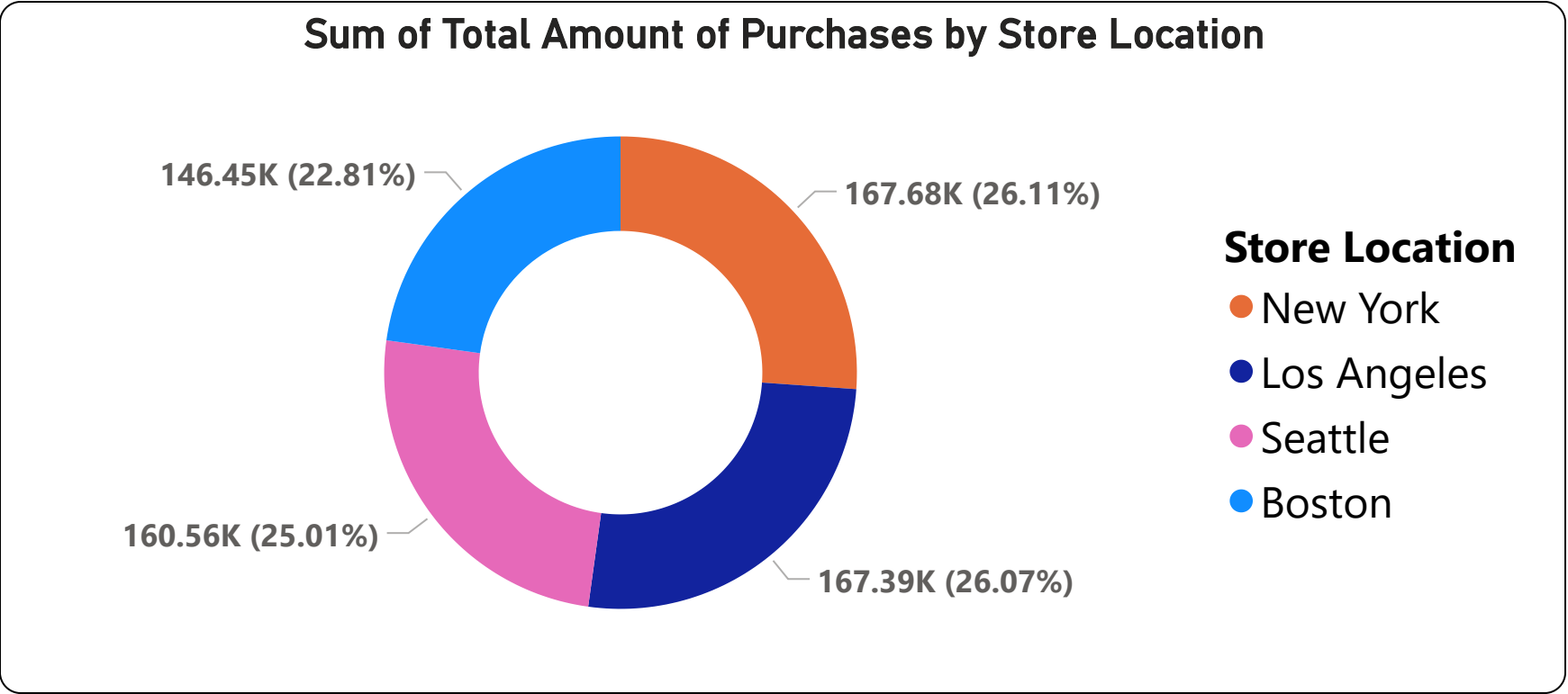
Store Setting

Rural

Suburb

| Count of | Survey ID | Store Setting | Year | Quarter | Month | Day | Exchange | Store Location | Sum of Academic Books | Sum of Age | Sum of InDoor SportKits |
|----------|-----------|---------------|------|---------|-----------|-----|----------|----------------|-----------------------|------------|-------------------------|
| | 2 | Rural | 2010 | Qtr 3 | July | 28 | Card | Boston | 399.28 | 17 | 207.91 |
| | 1 | Rural | 2010 | Qtr 3 | July | 4 | Card | New York | 183.86 | 19 | 172.66 |
| | 2 | Rural | 2009 | Qtr 3 | September | 28 | Card | New York | 302.06 | 37 | 170.03 |
| | 1 | Rural | 2012 | Qtr 2 | May | 2 | Cash | Los Angeles | 213.68 | 10 | 159.93 |
| | 1 | Rural | 2011 | Qtr 2 | April | 29 | Card | Seattle | 209.01 | 11 | 159.09 |
| | 1 | Rural | 2011 | Qtr 1 | February | 14 | Cash | New York | 119.66 | 8 | 153.20 |
| | 1 | Rural | 2011 | Qtr 1 | January | 25 | Cash | Seattle | 35.64 | 16 | 153.20 |
| | 1 | Rural | 2008 | Qtr 2 | April | 1 | Cash | New York | 291.47 | 12 | 148.15 |
| | 1 | Rural | 2011 | Qtr 4 | December | 20 | Card | Boston | 201.24 | 9 | 146.46 |
| | 1 | Rural | 2012 | Qtr 2 | June | 23 | Card | New York | 196.10 | 16 | 144.57 |
| | 1 | Rural | 2013 | Qtr 3 | July | 23 | Cash | Seattle | 59.44 | 14 | 143.94 |
| | 1 | Rural | 2009 | Qtr 3 | August | 12 | Card | New York | 75.27 | 8 | 142.26 |
| | 1 | Rural | 2013 | Qtr 2 | May | 19 | Cash | Seattle | 45.36 | 8 | 139.73 |
| | 1 | Rural | 2012 | Qtr 4 | November | 10 | Card | Boston | 369.85 | 14 | 136.36 |
| | 1 | Rural | 2009 | Qtr 2 | May | 10 | Card | Boston | 48.47 | 20 | 135.52 |
| | 1 | Rural | 2010 | Qtr 1 | February | 1 | Card | New York | 175.60 | 20 | 134.68 |
| 228 | | | | | | | | | 42,339.42 | 3303 | 13,680.05 |

- Use Q&A feature of Power BI –
- a) To show average age of students
 - b) Donut chart for total amount of purchases by 'Store location



average age



14.38