There are many stores in which a survey was conducted based on students i.e. how much they are spending on different kind of purchases like Videogames, Indoor games, Toys, Books, Gadgets etc. In the data set (Student Survey), Store setting is the column that explains the Type of location in which the store is present. By using data set (Student Survey), try to extract the meaningful Insights.

Data set - Student survey

Problem Statement- Create a Power BI Report:

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

- If 0<TAP<35000, then records should be in red color.
- If 35000<=TAP<60000, then records should be in yellow color
- If TAP>=60000, then records should be in Blue color

2. **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.

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

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

5. **Scatter plot** - Video games purchase and Outdoor sports spent across the different ages.

6. **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'.

STUDENT SPEND ANALYSIS

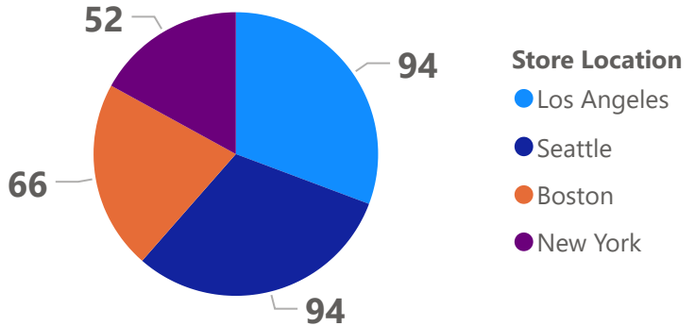
Store Location: All

Store Setting: All

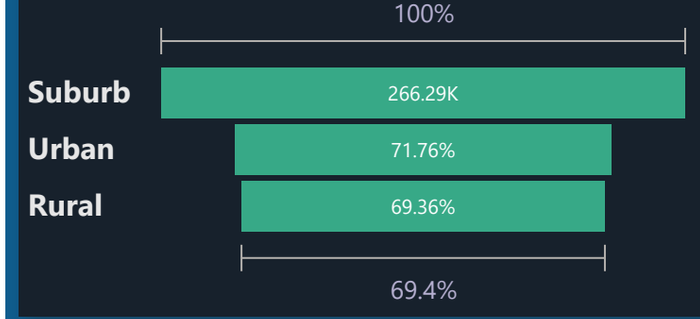
Total amount of purchase (TAP) based on 'Store location' and 'Store setting

Store Location	Store Setting	Total Amount of Purchases
Boston	Rural	42,016.81
Boston	Suburb	53,835.98
Boston	Urban	50,595.51
Los Angeles	Rural	30,009.48
Los Angeles	Suburb	82,419.92
Los Angeles	Urban	54,964.79
New York	Rural	69,444.55
New York	Suburb	46,284.58
New York	Urban	51,948.32
Seattle	Rural	43,228.34
Seattle	Suburb	83,749.20
Seattle	Urban	33,586.53
Total		**6,42,084.01**

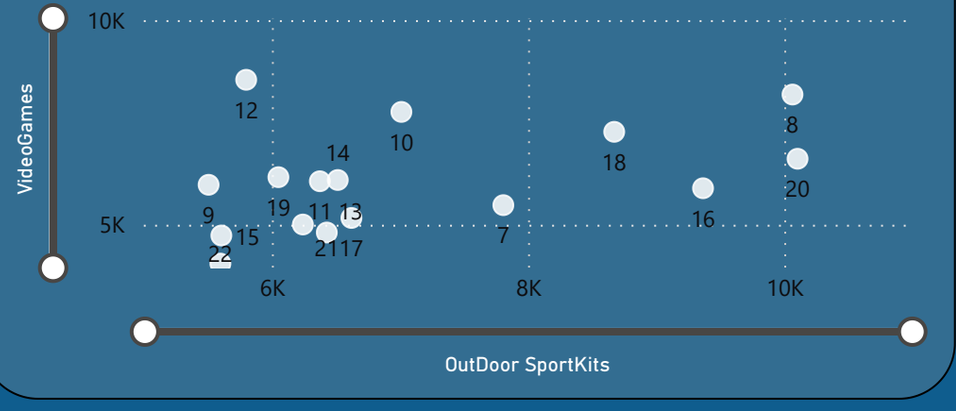
Total amount of purchase by different 'Store location' for Suburban 'Store setting'



Total Amount of Purchases by Store Setting



OutDoor SportKits and VideoGames by Age



Amount spent on Outdoor sports across different ages and 'Store setting'.

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

Q &A

Ask a question about your data

Try one of these to get started

To show average age of students