Project – 1

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 0<TAP<=TAP=60000, then records should be in Blue color

Ans:-

Store Location	Store Setting	Sum of Total Amount of Purchases
Boston	Rural	42,016.81
Los Angeles	Rural	30,309.48
New York	Rural	66,444.55
Seattle	Rural	43,228.34
Boston	Suburb	53,835.98
Los Angeles	Suburb	62,419.92
New York	Suburb	46,284.56
Seattle	Suburb	61,748.20
Boston	Urban	50,595.51
Los Angeles	Urban	54,964.79
New York	Urban	51,948.32
Total		**6,42,084.01**

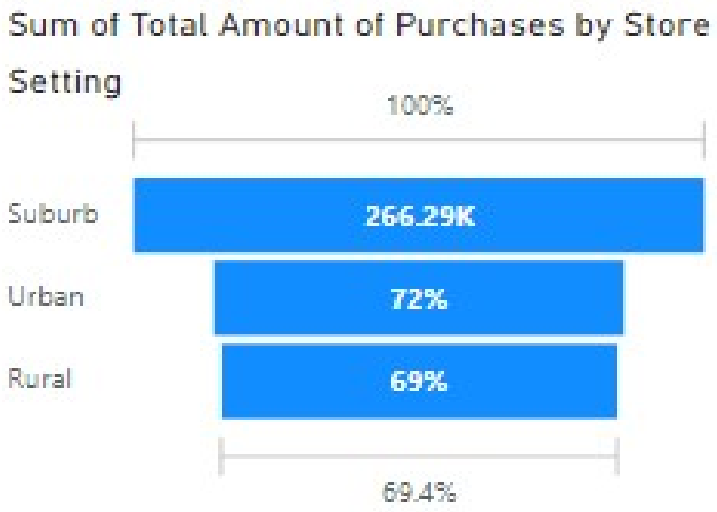
2. Matrix Visualization: Create Matrix Visualization to show the amount spent on Outdoor sports across different ages and ‘Store setting’. Do the color formatting for the amount spent in total outdoor sports

Code:-

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**

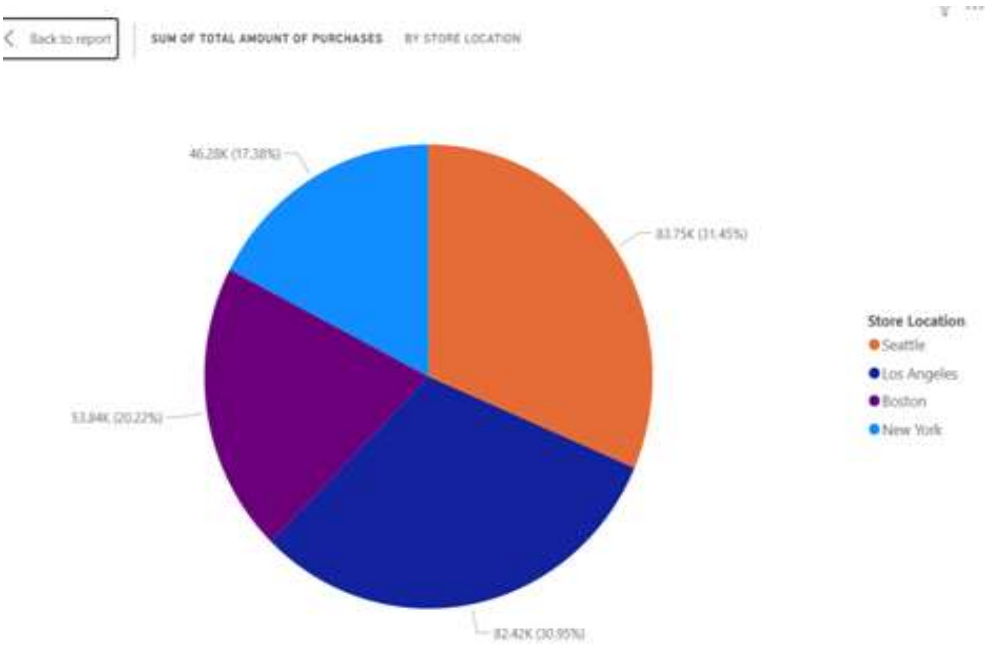
3. Funnel Chart: Create a Funnel chart to show Total amount of purchase by ‘Store setting’. Show the data labels as Percentage of First

Code:-



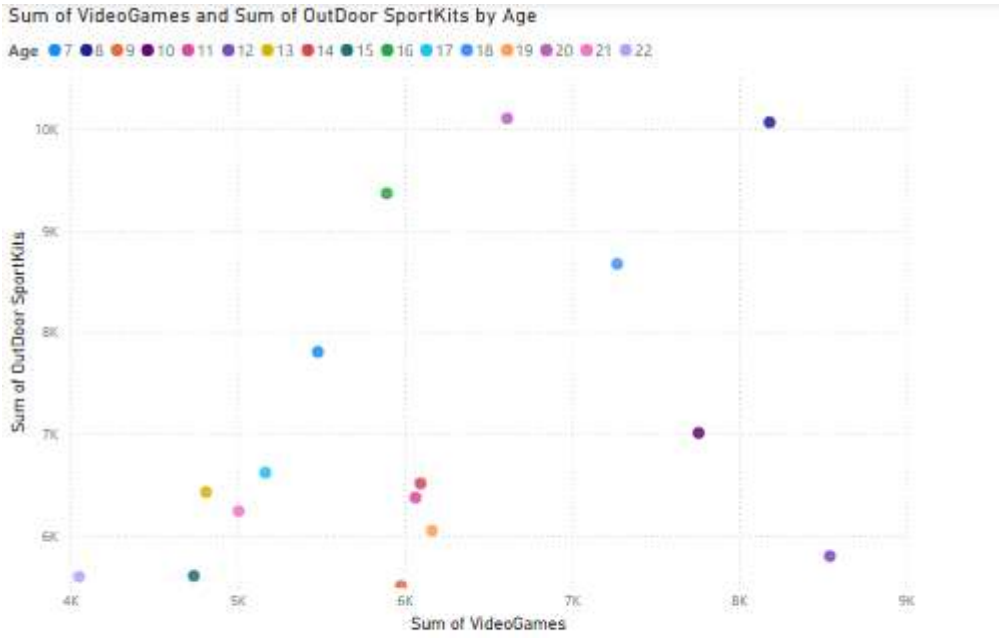
4. Pie Chart: Show the total amount of purchase by different ‘Store location’ for Suburban ‘Store setting’ only. Hint: Use Filter context

Code:-



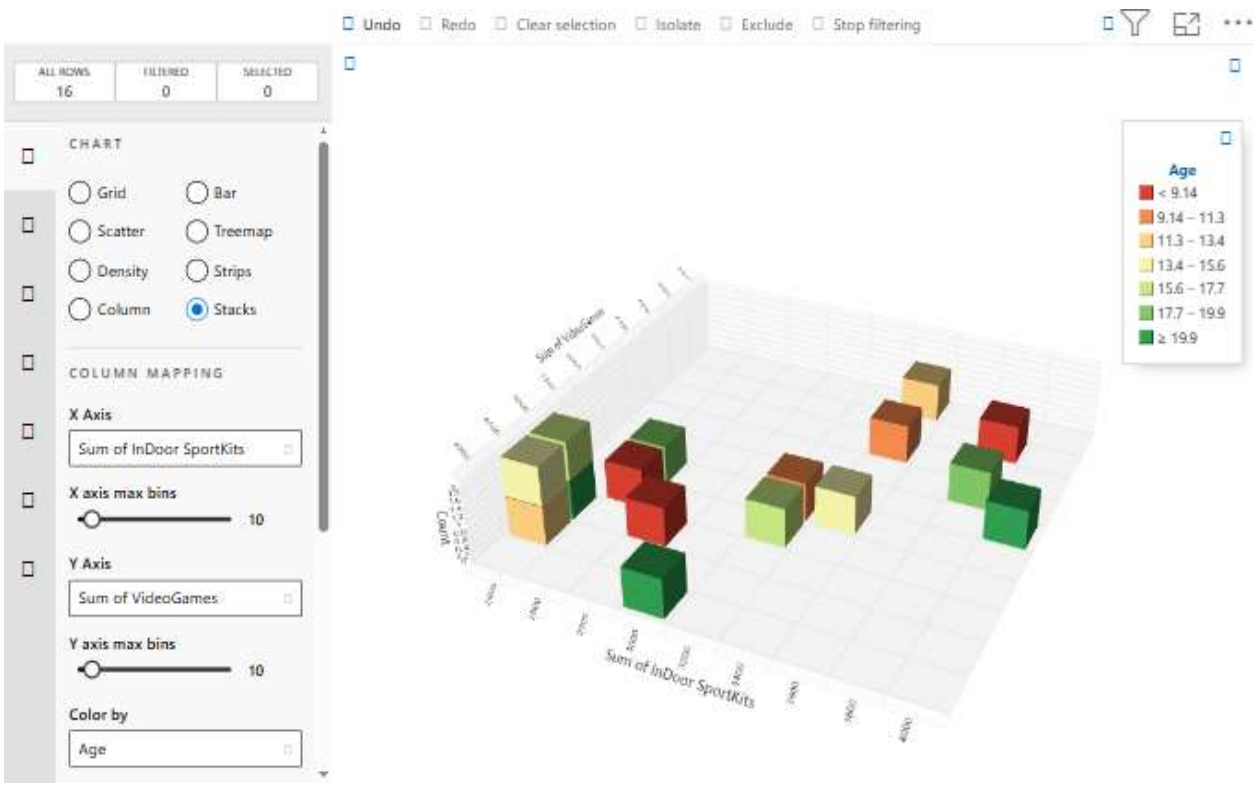
5. a) Scatter plot- Video games purchase and Outdoor sports spent across the different ages.

Ans:-



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

Ans:-

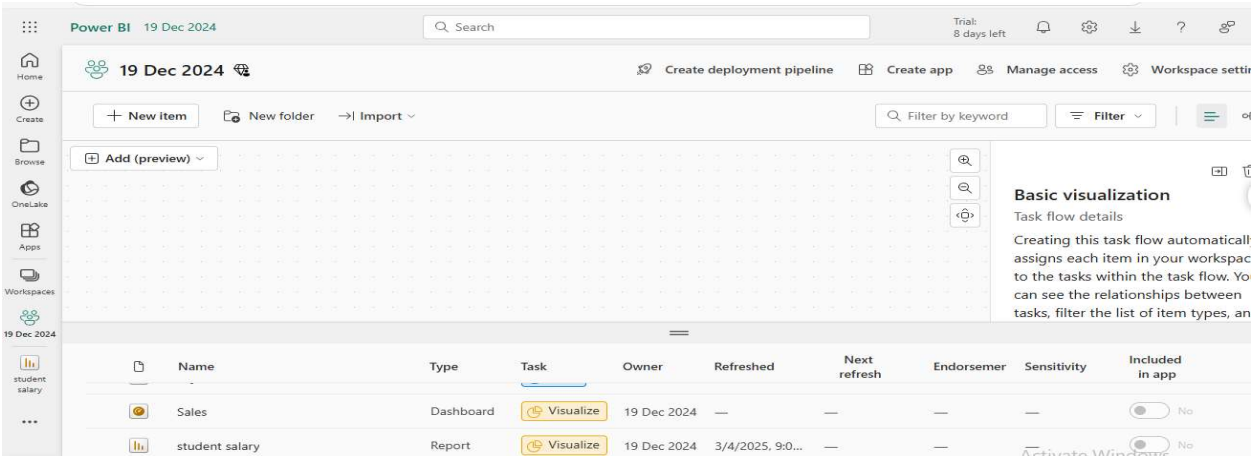


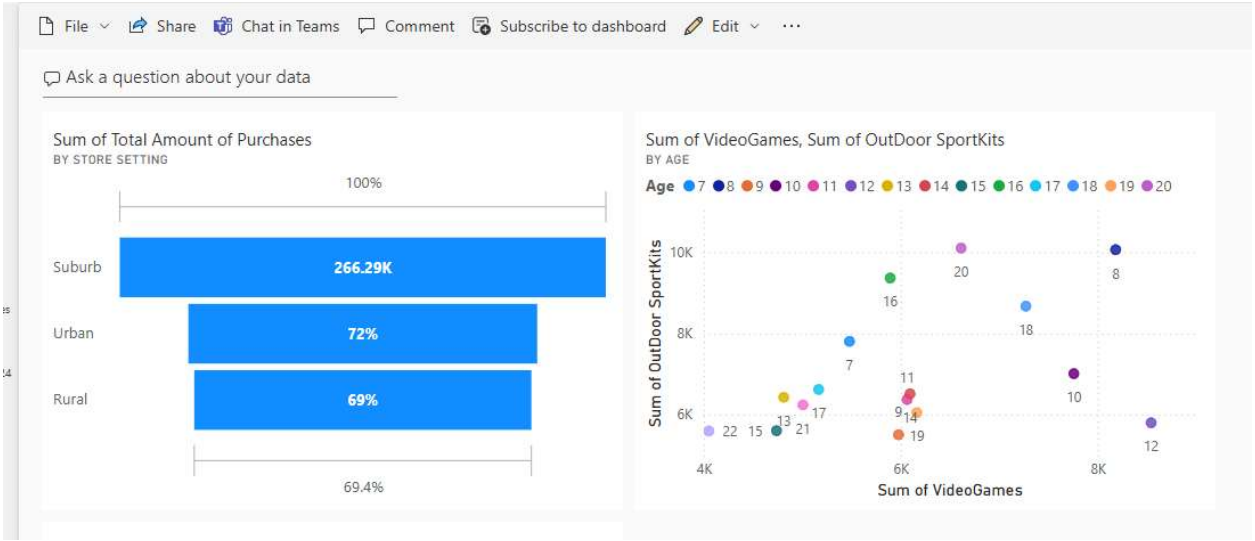
. 6. Restrict data access for the given users in the User mapping table. For example, Mani deals with Rural areas only so she should be able to view the data which belongs to Rural only, not urban and suburban data

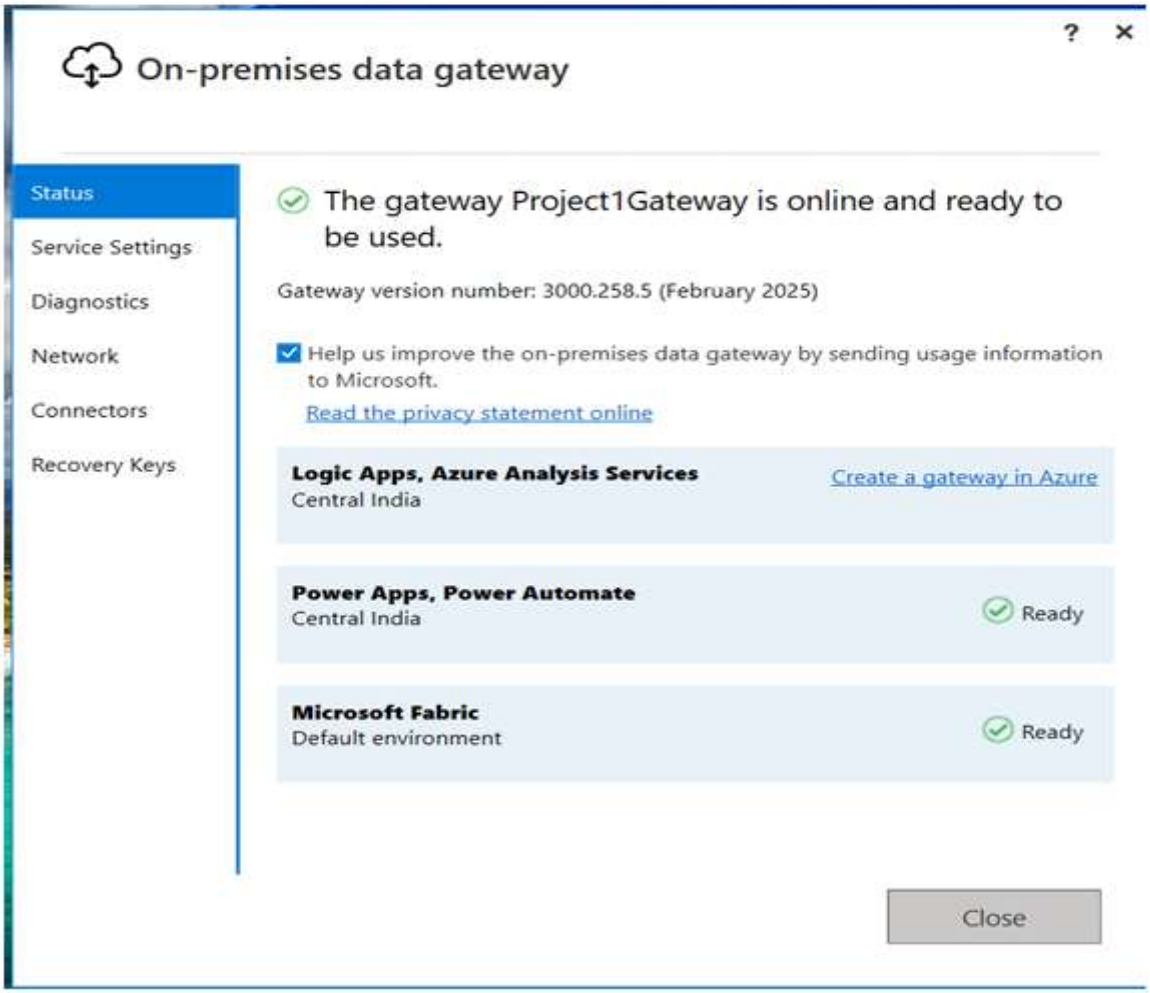
Code:-

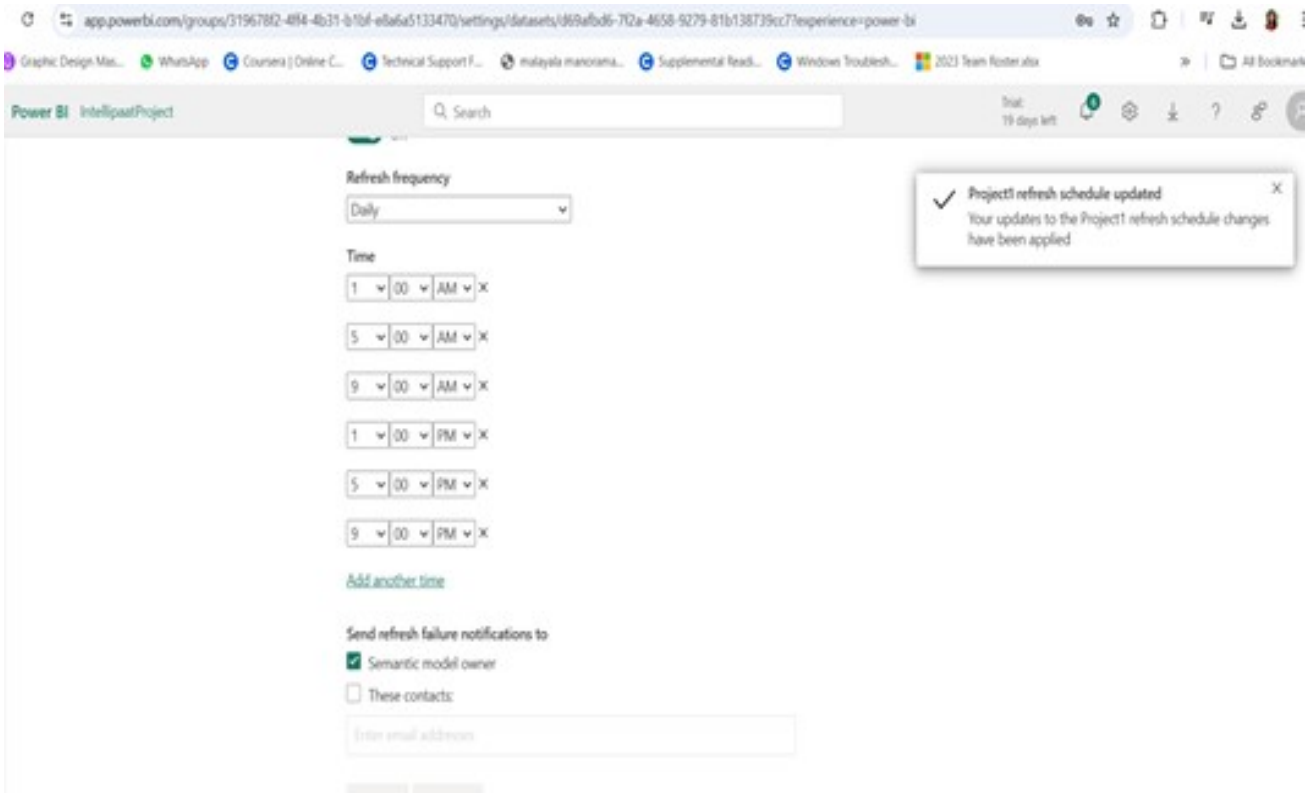
7. Publish the report on Power BI cloud service and Design the Master Dashboard consisting of Funnel chart and scatter plots. Then create a schedule refresh for six times in every 4 hours for the Dashboard in a day

Code:-






On-premises data gateway
Status
Service Settings
Diagnostics
Network
Connectors
Recovery Keys
The gateway Project1Gateway is online and ready to be used.
Gateway version number: 3000.258.5 (February 2025)
Help us improve the on-premises data gateway by sending usage information to Microsoft.
Read the privacy statement online
Logic Apps, Azure Analysis Services
Central India
Create a gateway in Azure
Power Apps, Power Automate
Central India
Ready
Microsoft Fabric
Default environment
Ready
Close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Power BI
IntellipaatProject
Search
Trial:
19 days left
Refresh frequency
Daily
Time
1 00 AM
5 00 AM
9 00 AM
1 00 PM
5 00 PM
9 00 PM
Add another time
Send refresh failure notifications to
Semantic model owner
These contacts:
Project1 refresh schedule updated
Your updates to the Project1 refresh schedule changes have been applied

8. 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’