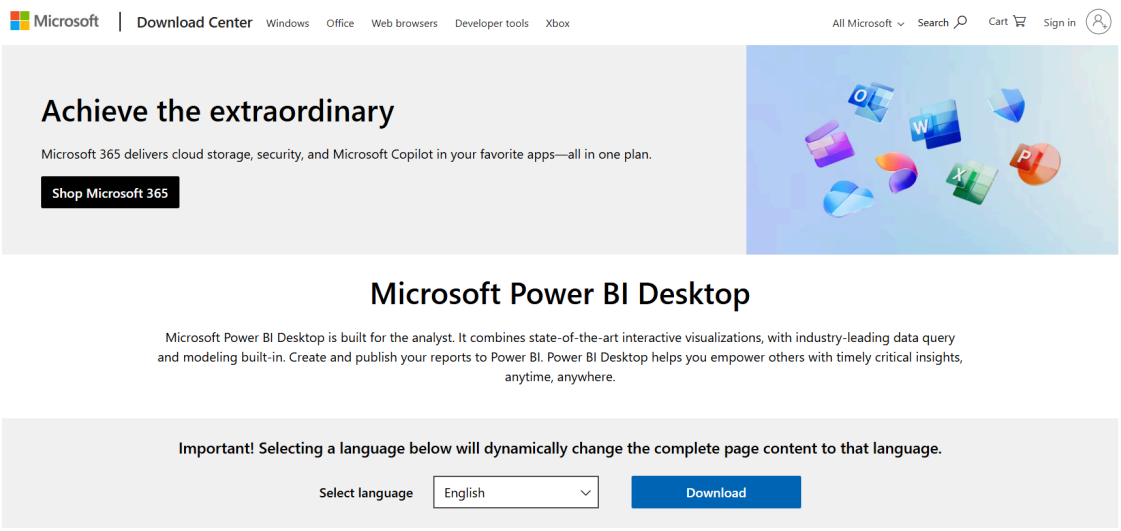
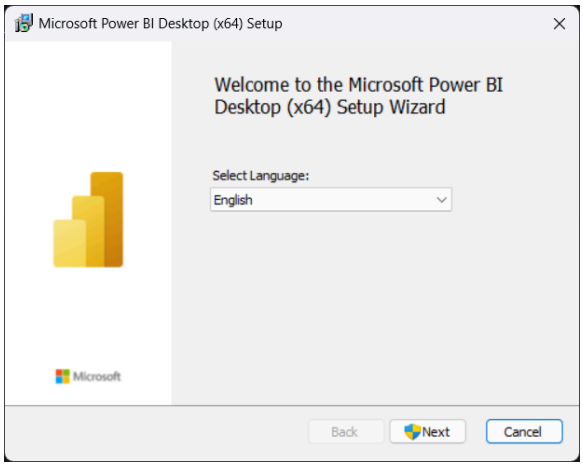
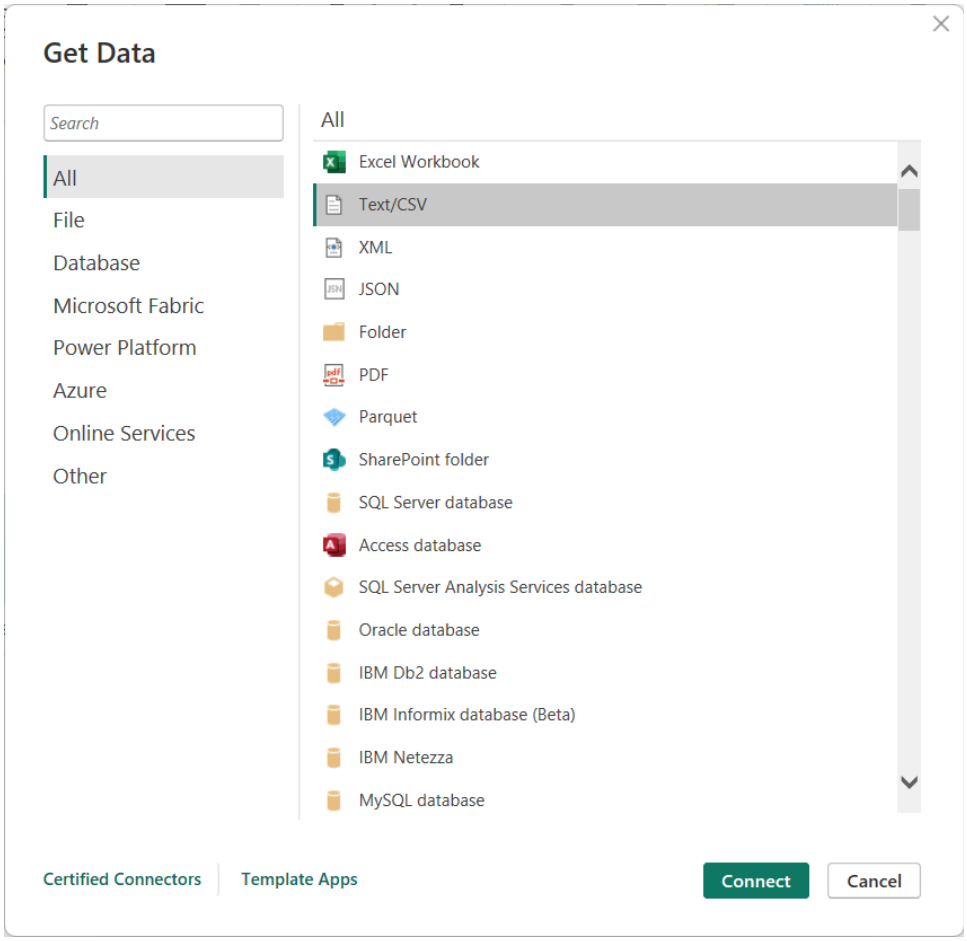
Downloading Power BI :

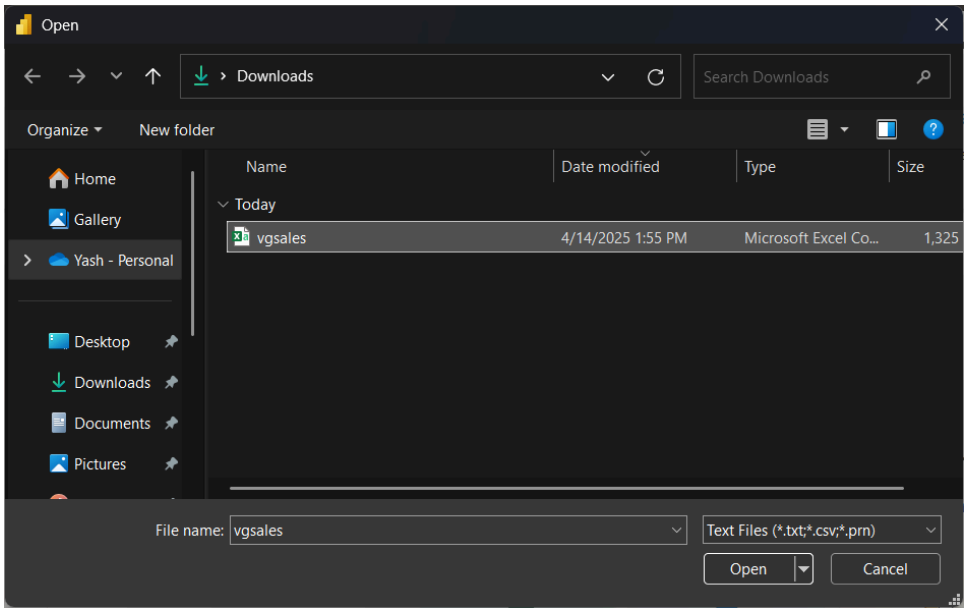




Dataset link:
https://www.kaggle.com/datasets/anandshaw2001/video-game-sales

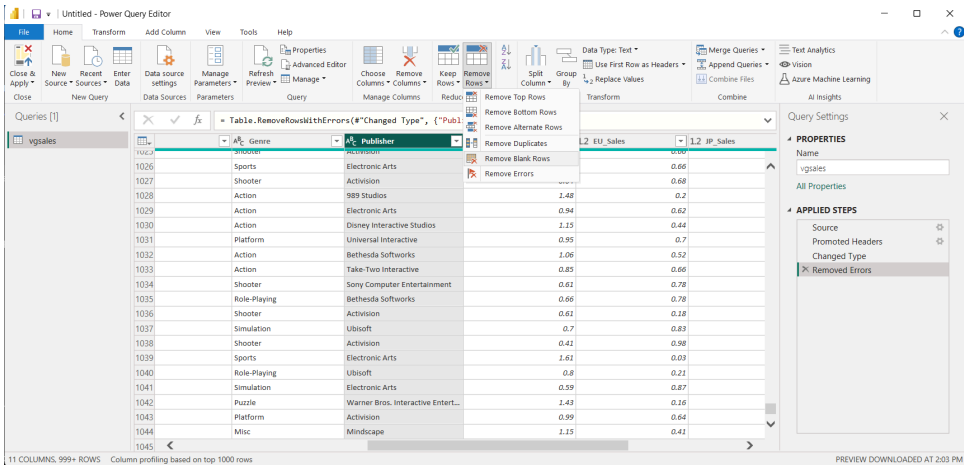
Step 1 : select csv dataset (get data from another source)





Now select transform to clean the data if not cleaned

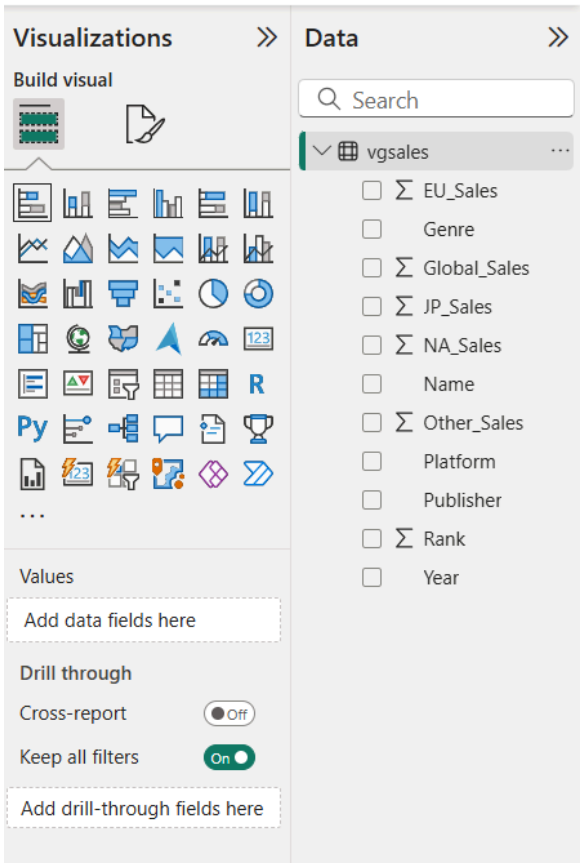
1. Select the column
2. In the toolbar, go to **“Home”** → **“Remove Rows”** → **“Remove Blank Rows”**.



After cleaning:

- Click **“Close & Apply”** (top-left corner of Power Query Editor)

DATA LOADED SUCCESSFULLY



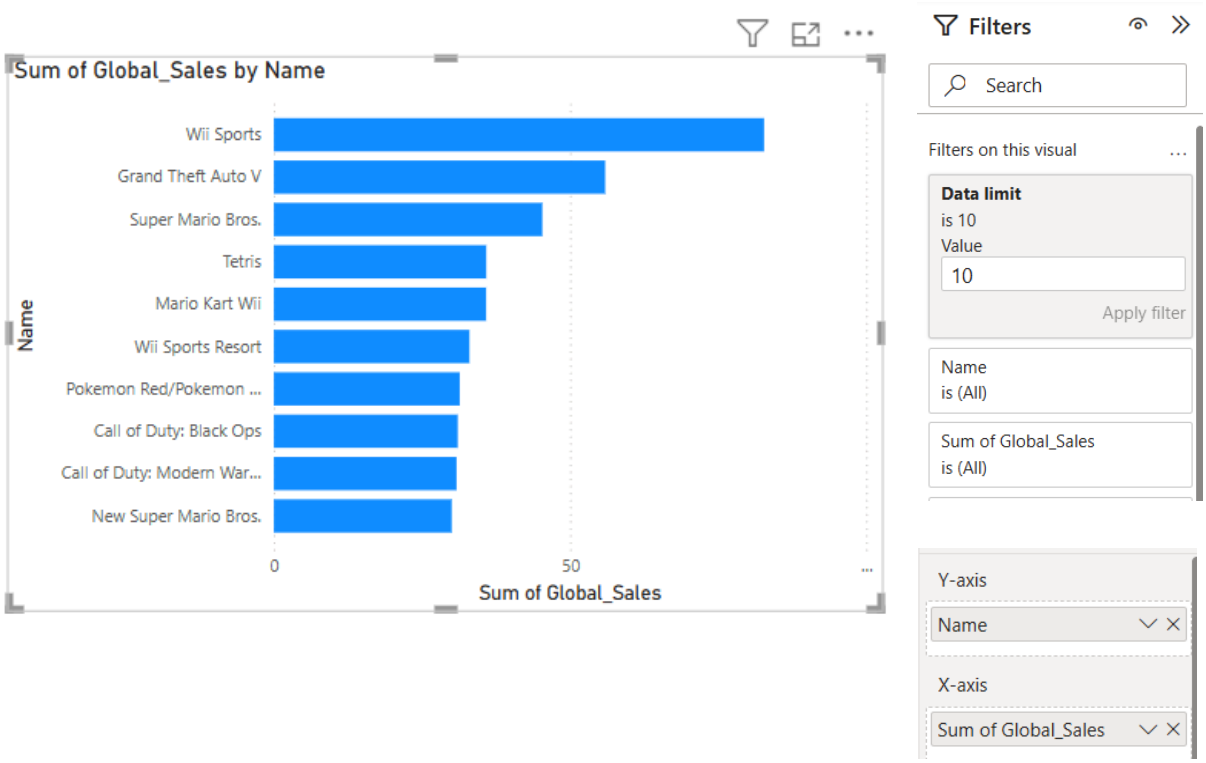
Let's get started with the visualization part:

1.Top 10 Games by Global Sales

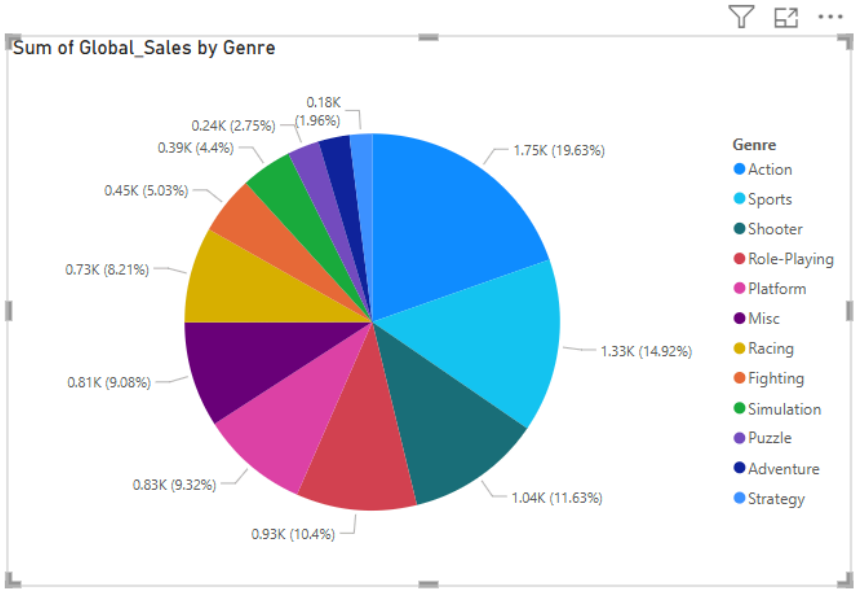
Visual used : Bar chart of highest selling games globally

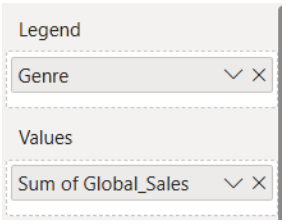
Steps:

1. From the Visualizations panel (right side), select a visual like “Stacked Bar Chart”.
2. Drag and drop fields into the appropriate areas:
3. Axis → Name or Genre or Platform
4. Values → Global_Sales (or any other region)
5. Click on the chart → In **Filters pane**, select Top N filter:

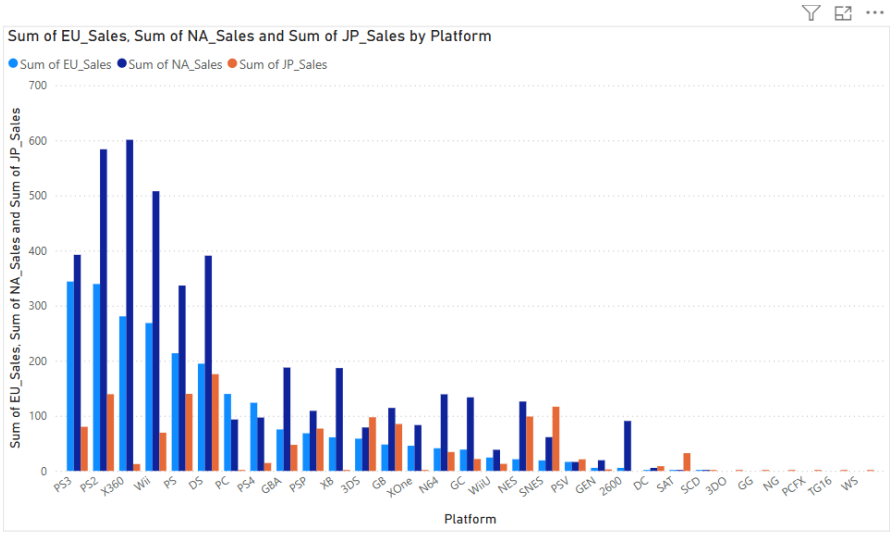


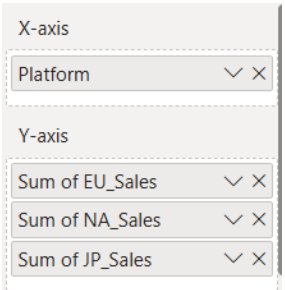
2. Sales by Genre
Visual used : Pie or bar chart showing total sales per genre





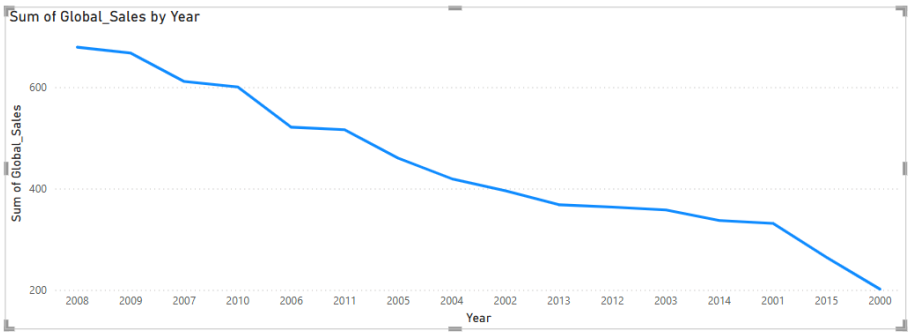
3. Platform-wise Sales Comparison
Visual used : Clustered column chart showing sales across platforms





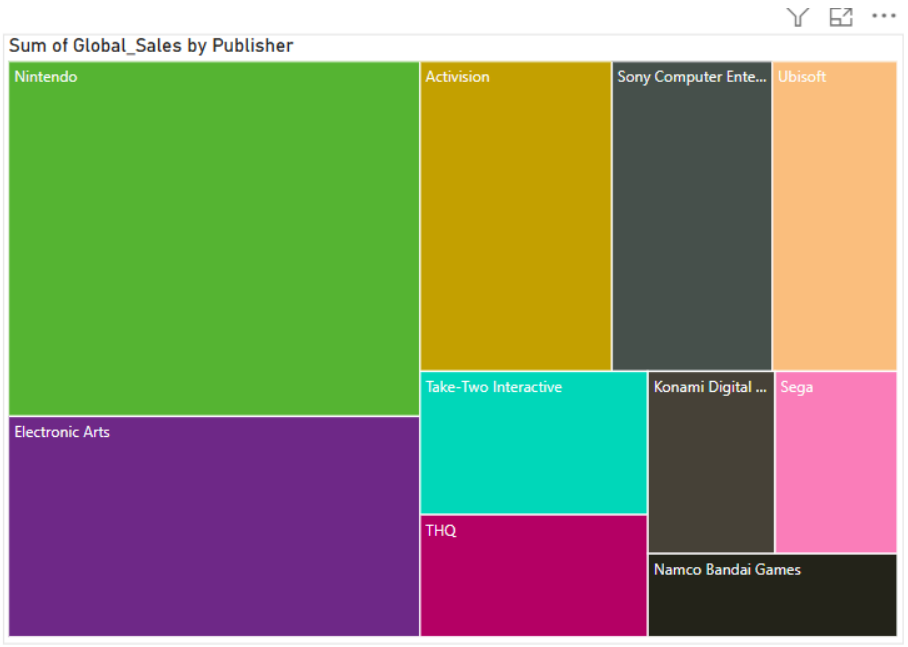
4. Sales Over the Years

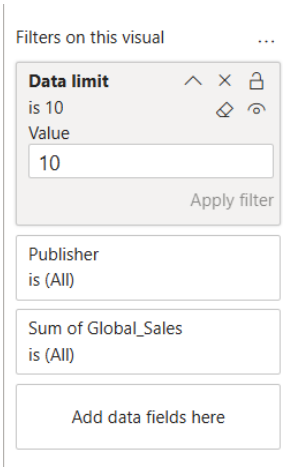
Visual used : Line chart showing trends in game sales over time

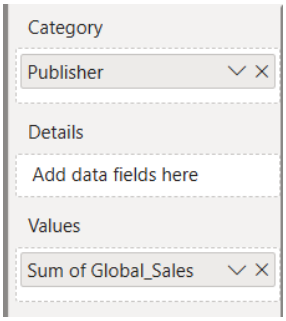


5. Publishers with Most Global Sales

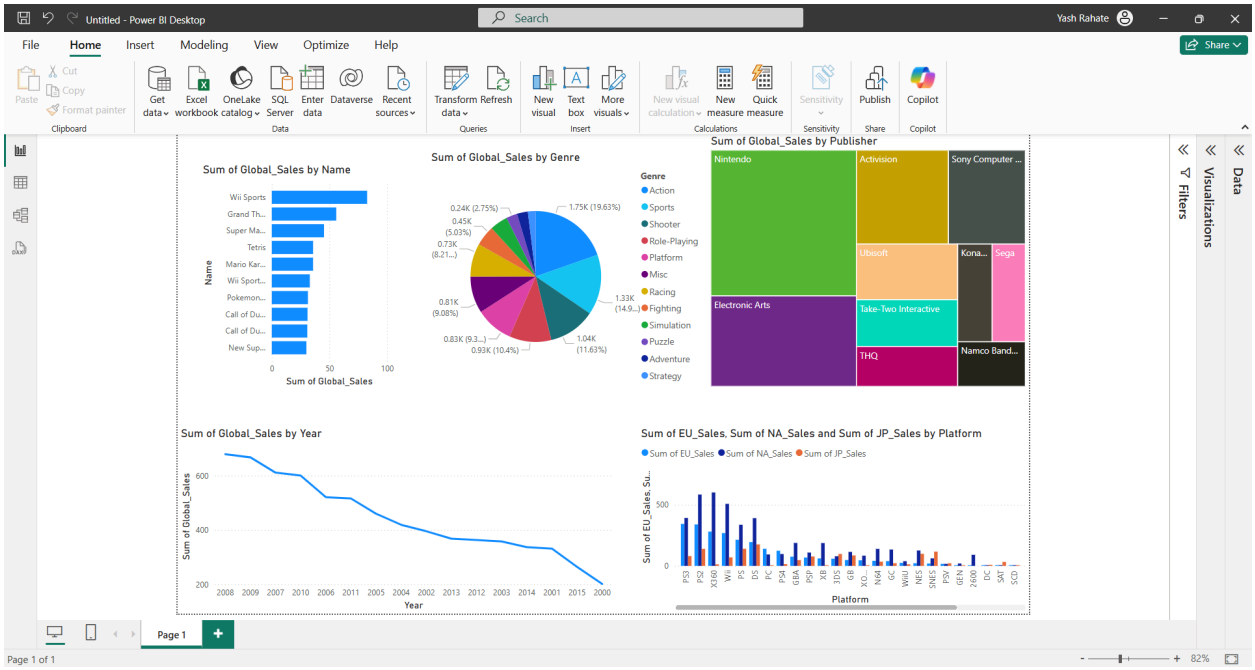
Visual used : Tree map or bar chart for top publishers



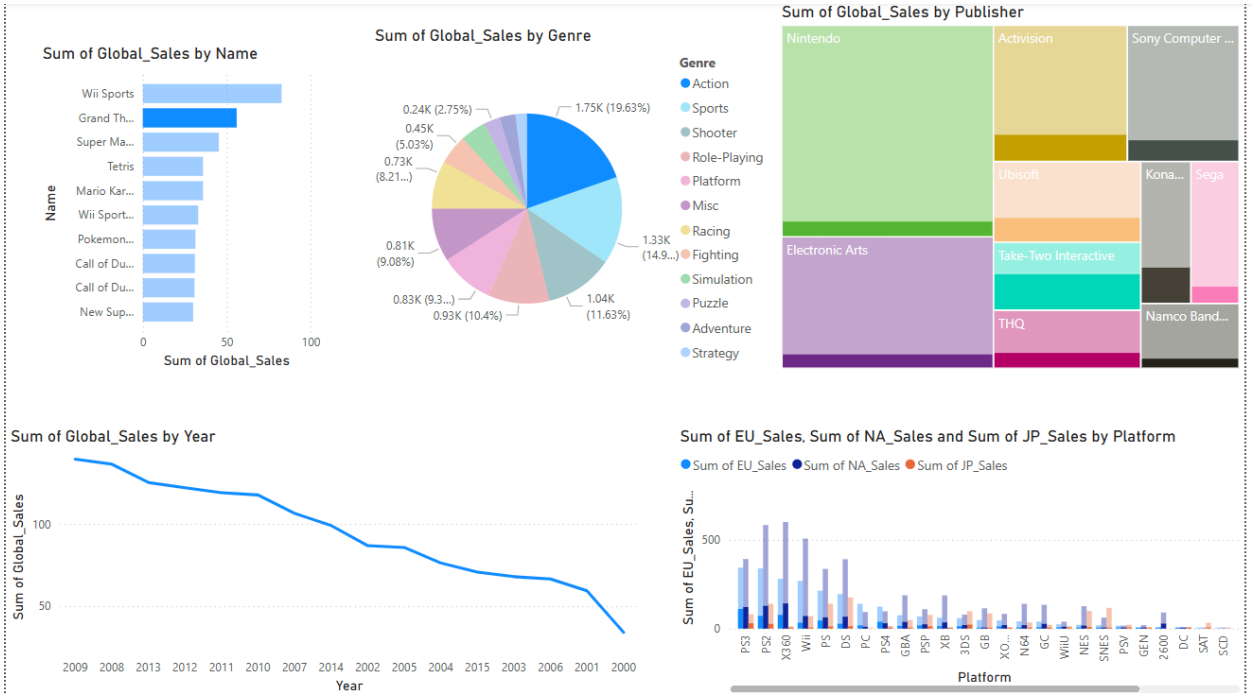




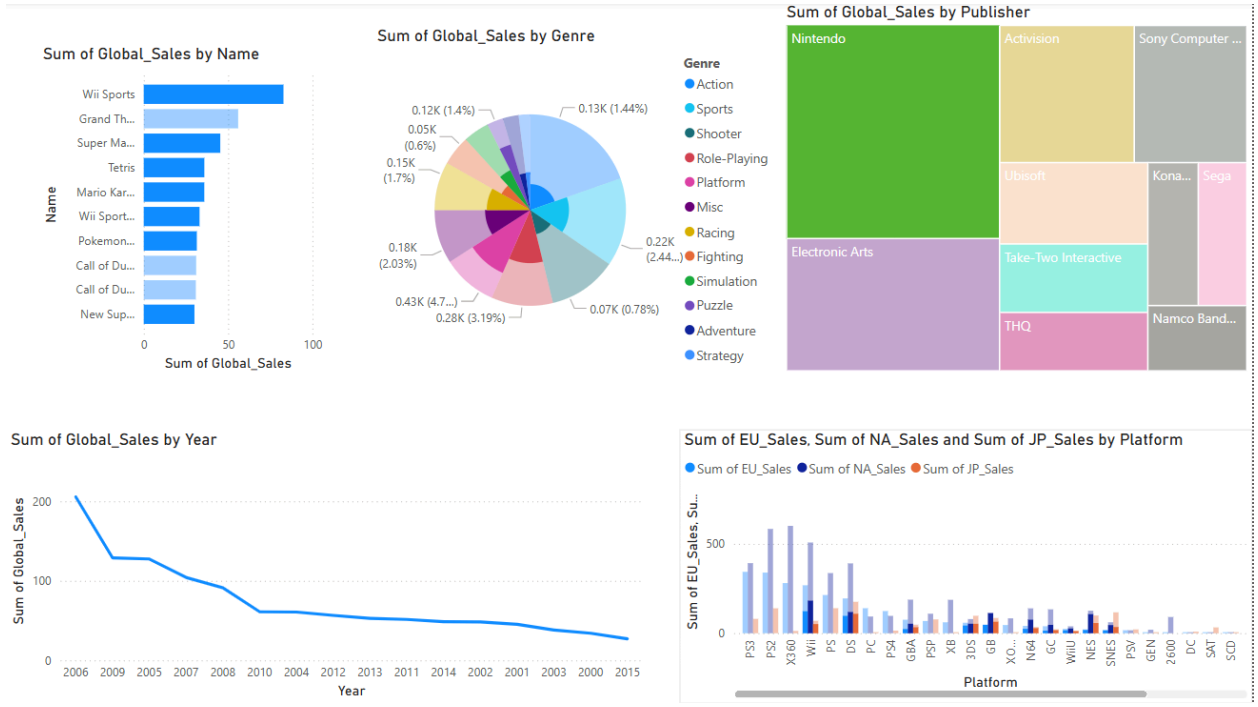
FINAL SCREEN:



Selected Action genre From pie chart :



Selected Nintendo publisher from Tree chart :



CONCLUSION:

In this experiment, we used **Power BI** to analyze a dataset containing video game sales data across various regions, platforms, and genres. The dataset included 16,598 records and 11 attributes such as game name, platform, year of release, genre, publisher, and sales across North America, Europe, Japan, Other regions, and globally.

We began by importing the CSV file into Power BI and used the **Power Query Editor** to clean the data by:

- **Removing null and missing values** to ensure consistency,
- **Transforming data types** for better analysis.

After cleaning the data, we created several visualizations to uncover patterns and insights. One of the key charts created was a **Stacked Bar Chart for Regional Sales Distribution**, which allowed us to visually compare sales across different regions such as NA, EU, JP, and Other.

The visualization revealed that **North America and Europe were the largest markets** for video games, while Japan and other regions had lower sales contributions. This regional breakdown provided a clear understanding of market dynamics.

Conclusion Summary:

Power BI enabled us to efficiently clean, transform, and visualize the dataset, making it easier to derive meaningful insights. This experiment demonstrated Power BI's effectiveness as a user-friendly and powerful tool for business intelligence and data analysis.