

Tableau Assignment- 3

Video Game Sales Analysis: Area Chart and Tree map

Assignment Problem Statements:

Data Set URL: <https://github.com/Learn-With-Karthik/NCPL-DataAnalytics/blob/main/Tableau%20-%20Data%20Analytics%20and%20Visualization/Video%20Game%20sales%201970-2017.xlsx>

Q1: Area Chart

Problem Statement:

You have been provided with a Video Game Sales Excel file containing data on video game sales across different regions and years. Your task is to load this file into Tableau and create an Area Chart to analyze the sales trends over time in Europe (EU Sales), North America (NA Sales), and other regions (Other Sales).

Instructions:

- Load the Video Game Sales Excel file into Tableau.
- Identify the appropriate sheet or table containing the required data.
- Select the "Year" column as the X-axis or continuous dimension.
- Choose the "EU Sales", "NA Sales", and "Other Sales" columns as the measures for the Y-axis.
- Create an Area Chart by selecting the appropriate chart type from the Show Me menu or toolbar.
- Customize the chart by adding labels, legends, titles, and formatting as needed.
- Analyze the sales trends over time by observing the areas covered by each region's sales data.
- Identify any significant changes or patterns in sales across the regions.
- Provide insights and recommendations based on the area chart analysis.

Q2: Treemap

Problem Statement:

You have been provided with a Video Game Sales Excel file containing data on video game sales across different genres and global regions. Your task is to load this file into Tableau and create a Treemap to analyze the sales distribution by genre in different regions.

Instructions:

- Load the Video Game Sales Excel file into Tableau.
- Identify the appropriate sheet or table containing the required data.
- Select the "Genre" column as the dimension for the Treemap.
- Choose the "Global Sales" column as the measure for the size of each Treemap segment.
- Create a Treemap by selecting the appropriate chart type from the Show Me menu or toolbar.
- Customize the chart by adding labels, legends, titles, and formatting as needed.
- Analyze the sales distribution by genre in different regions based on the size of the Treemap segments.
- Identify the top-selling genres and their respective sales contributions in the global market.
- Provide insights and recommendations based on the Treemap analysis.

Note: Make sure to follow the best practices for visualization design and provide clear and concise explanations for your analysis in each assignment.