

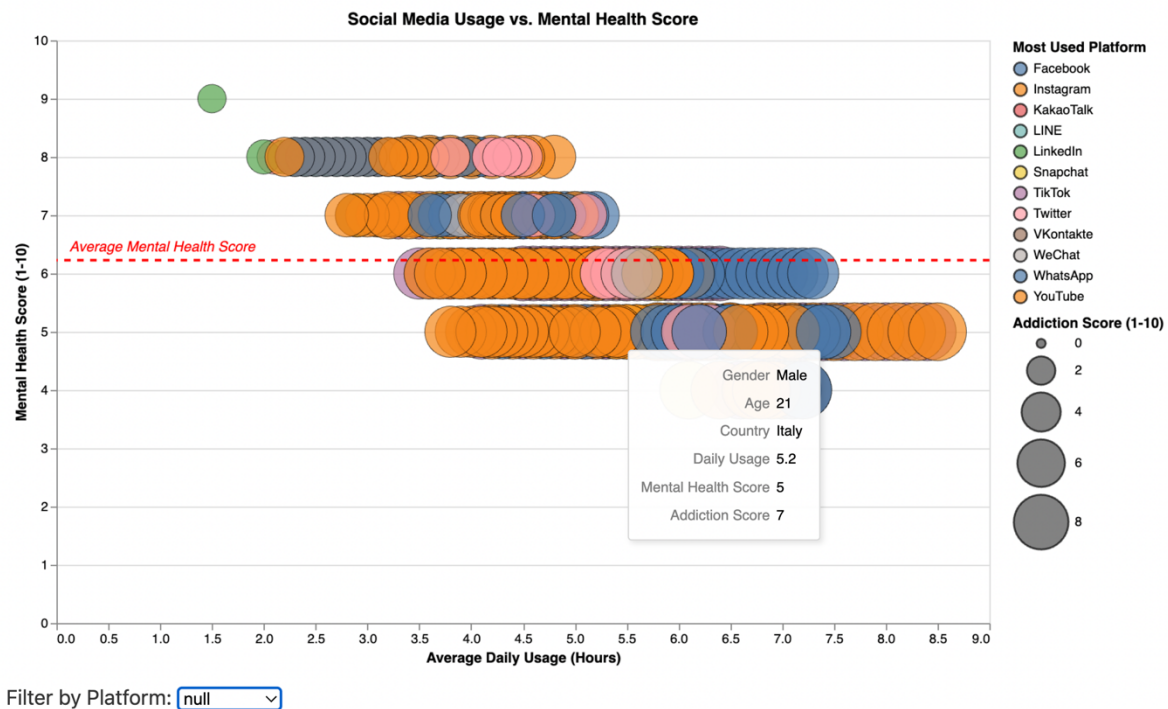
Homework Week 4

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TASK 1:



Task 2:

URL for dashboard: <https://amolikay.github.io/social-media-vis/>

GIT repo: <https://github.com/amolikay/social-media-vis.git>

Bullet Points:

1. My Data Visualisation 2 project investigates the multifaceted relationship between social media habits and the well-being of students. The primary goal is to identify and visualize patterns connecting daily usage duration, preferred platforms, and key wellness indicators such as mental health and self-perceived addiction. The project aims to provide a clear, data-driven perspective on a significant aspect of modern student life.
2. Data source: <https://www.kaggle.com/datasets/adilshamim8/social-media-addiction-vs-relationships>

3. The key attributes utilized in the primary visualization are:
 - a. Avg_Daily_Usage_Hours (Quantitative)
 - b. Mental_Health_Score (Quantitative, scale of 1-10)
 - c. Addicted_Score (Quantitative, scale of 1-10)
 - d. Most_Used_Platform (Nominal) The source is the addiction_data.csv file provided for the assignment.
4. A justification for the visualisation idiom used
 - a. Interactive Bubble Chart
 - i. A bubble chart was chosen to effectively display the complex relationship between three quantitative variables at once: daily usage (x-axis), mental health (y-axis), and addiction score (bubble size). This idiom excels at revealing correlations and clusters in multi-dimensional data, while colour and interactive filtering allow for easy categorical comparison between social media platforms.
 - b. Grouped Bar Chart
 - i. A grouped bar chart is the ideal idiom for comparing an aggregated value, the average addiction score, across two different categorical variables (Academic Level and Gender). This chart provides a clear and immediate visual comparison of summary statistics, making it easy to spot differences and trends between distinct groups within the data.