D3 Interactive Dashboard

Introduction:

1) Using D3.js which is a famous javascript library to build an interactive Dashboard.
2) After doing all the coding in MAMP, integrating this html file into the Tableau dashboard.
3) In this assignment, I am using Cryptocurrency data from https://marketcap.com/ which is free and public. June 4 2021 data is used to analyze Cryptocurrency.
4) Bubble charts are used in this assignment to analyze the data. This chart is created by using HTML, CSS and JavaScript, using the library d3.js.
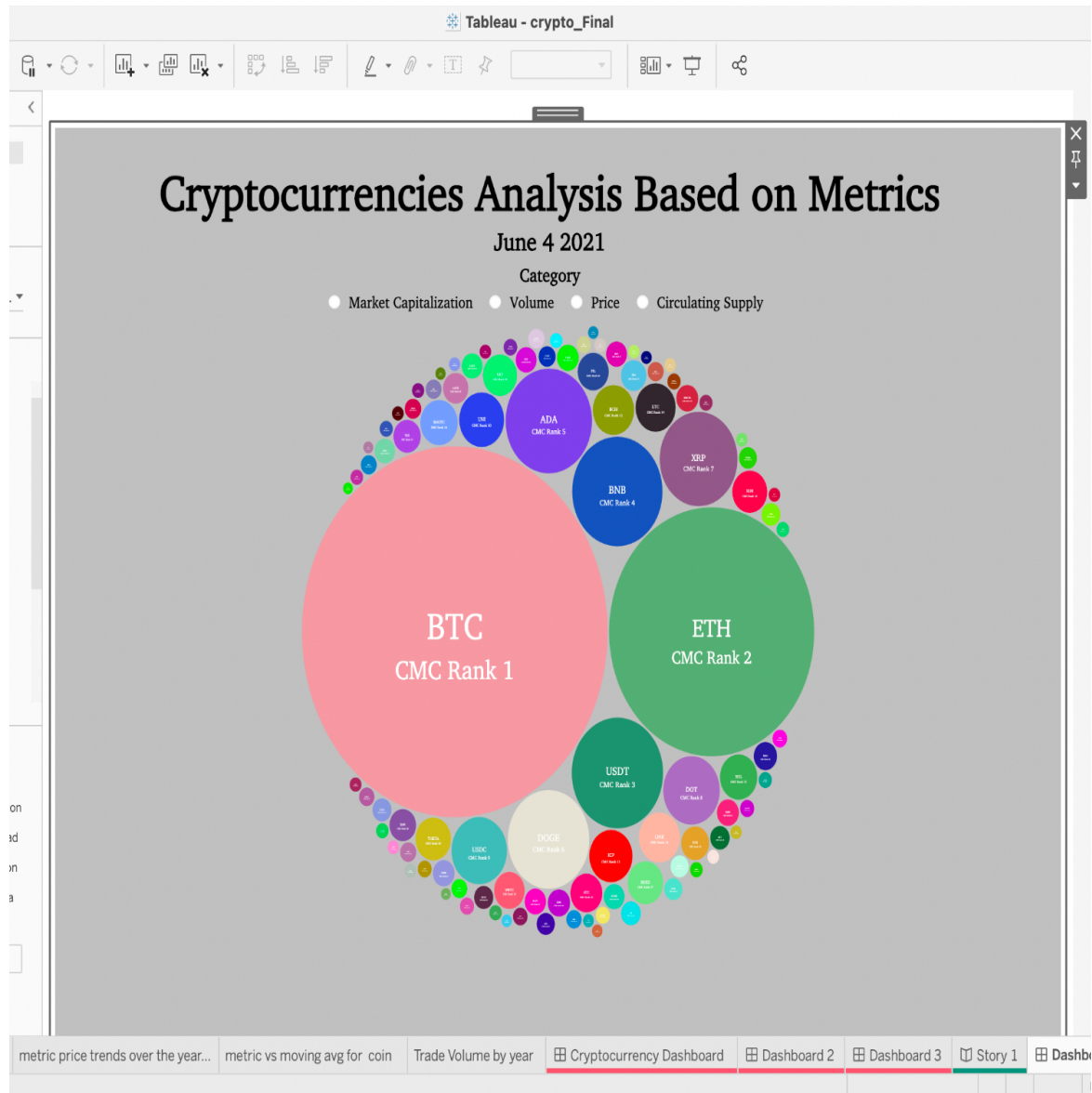
Objective:

"Analyze Different Cryptocurrencies based on selected metrics like Market cap, Volume, Price, and Circulating Supply "

Dashboard icons:

1) Each color of the bubbles represent each Crypto coin.
2) Radio buttons are created to select different metrics.
3) Based on selected radio buttons the bubble graph of the crypto coin data changes.
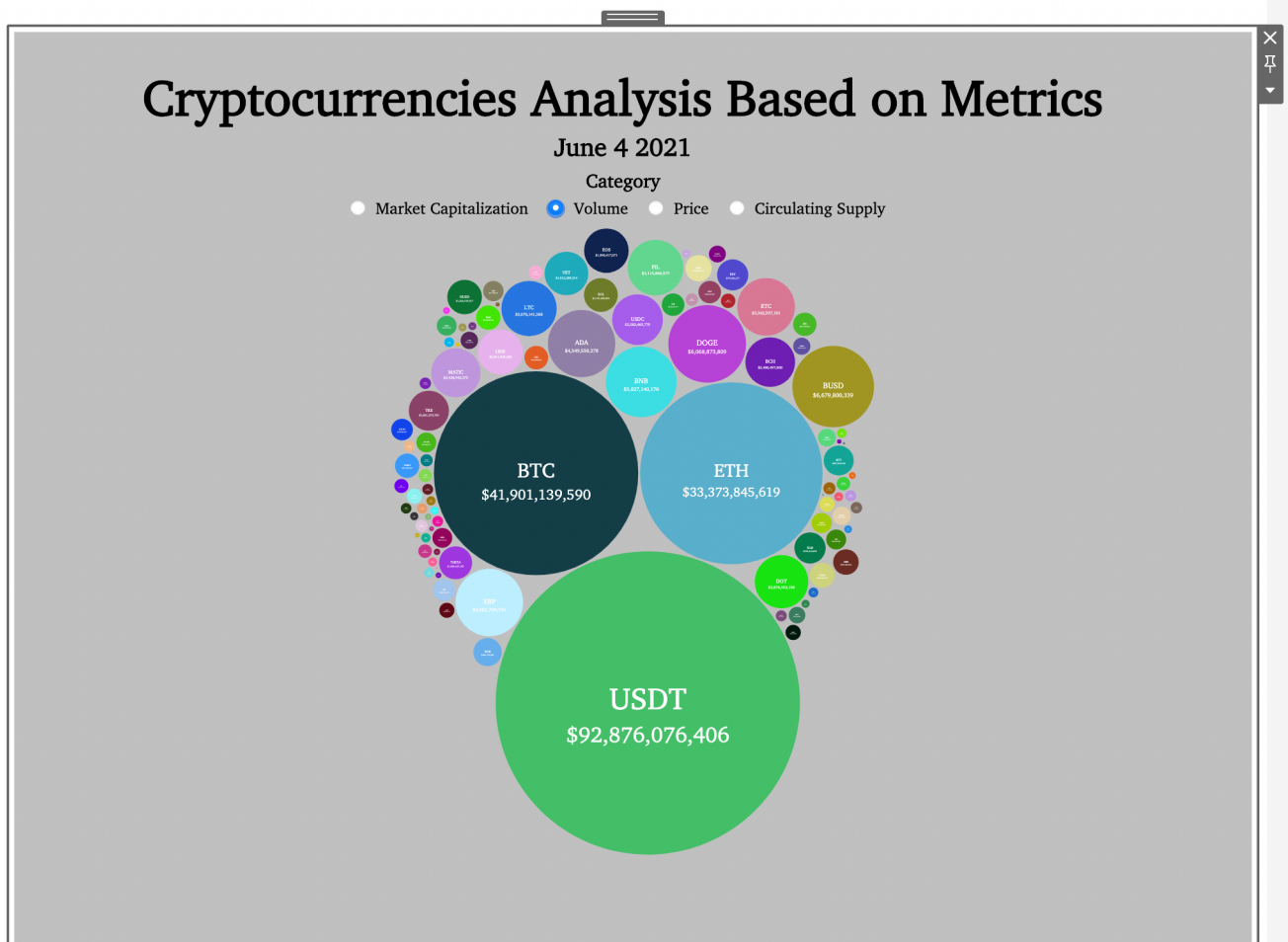4) Size of the bubbles are based on the magnitude of the selected metrics.

Interactivity of the Tableau dashboard

1) Screenshot of the Cryptocurrencies Analysis Based on metrics (Market capitalization, Volume, Price, and Circulating Supply). Here, no metric has been selected yet.
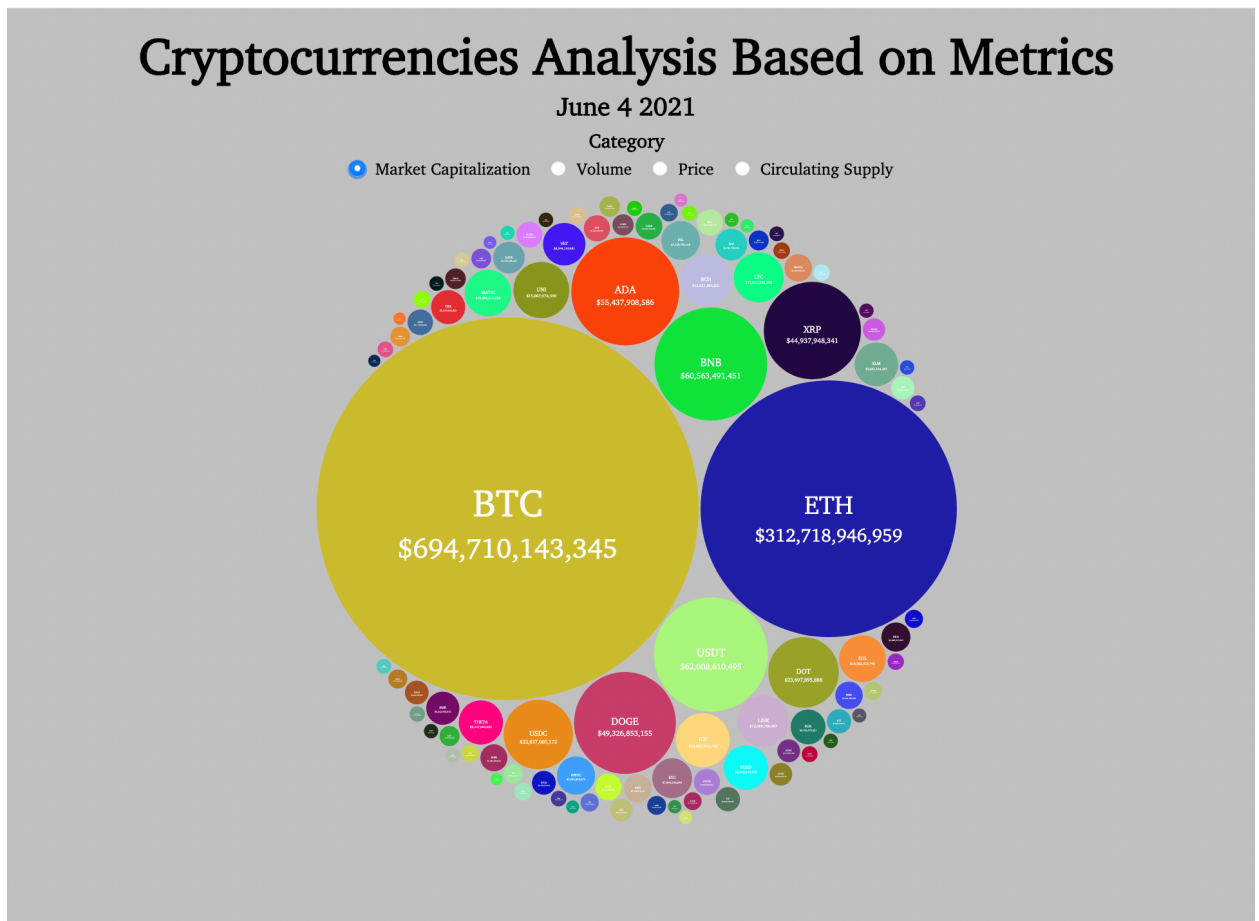
2) In this step, I have selected a radio button "Volume" based on the Volume price of the Cryptocurrencies the bubbles size will change.

Based on Volume metric, the USDT coin is in higher magnitude than the BTC (Bitcoin) on june 4th 2021.
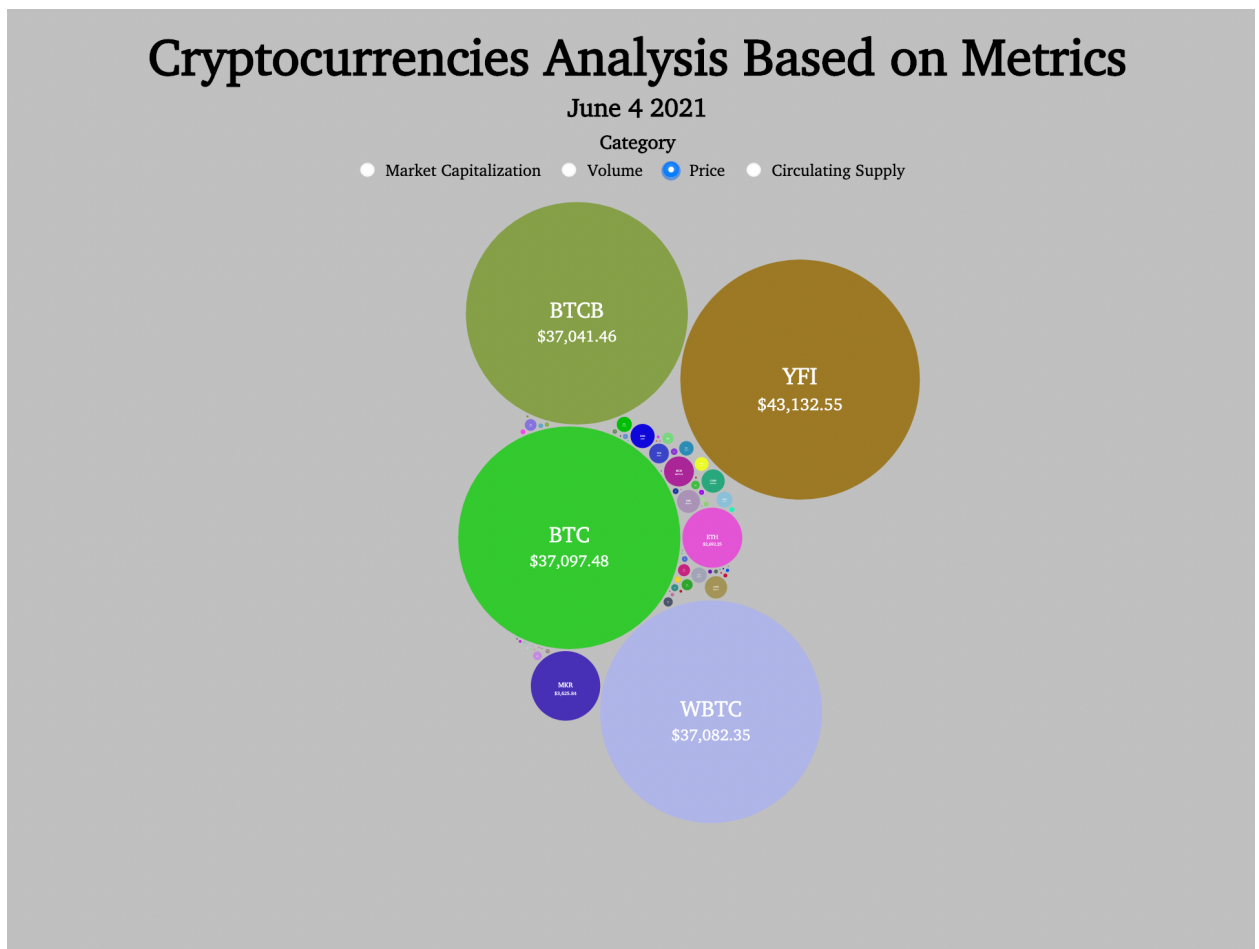
3) In this step, I have selected a radio button "Market Capitalization" based on the Volume price of the Cryptocurrencies the bubbles size will change.

Based on metric, the BTC (Bitcoin) is in higher magnitude and Followed by the coin ETH (Etherium) on june 4th 2021. Other coins are catching up slowly.

4) In this step, I have selected a radio button "Price" based on the Volume price of the Cryptocurrencies the bubbles size will change.

Based on metric, the BTC (Bitcoin) is in higher magnitude and Followed by the coin BTCB, and YFI on june 4th 2021. Other coins are catching up slowly.

5) In this step, I have selected a radio button "Circulating Supply" based on the Volume price of the Cryptocurrencies the bubbles size will change.

Based on metric, the SHIB (Shiba Inu) coin is in higher magnitude 3.5T and Followed by other coins on june 4th 2021. Other coins are catching up slowly. From this graph, we can analyze which coin is circulating more on the given day. Circulating means trading (Buying and Selling) of that coin.