

**Student Id:** 22026480

**Name:** Anush Farooq

**Datasets:**

Bitcoin Exchange rate data:

[https://drive.google.com/file/d/1fHn8vc\\_Z9OyK000Fen5rgLxZtxukMmsJ/view](https://drive.google.com/file/d/1fHn8vc_Z9OyK000Fen5rgLxZtxukMmsJ/view)

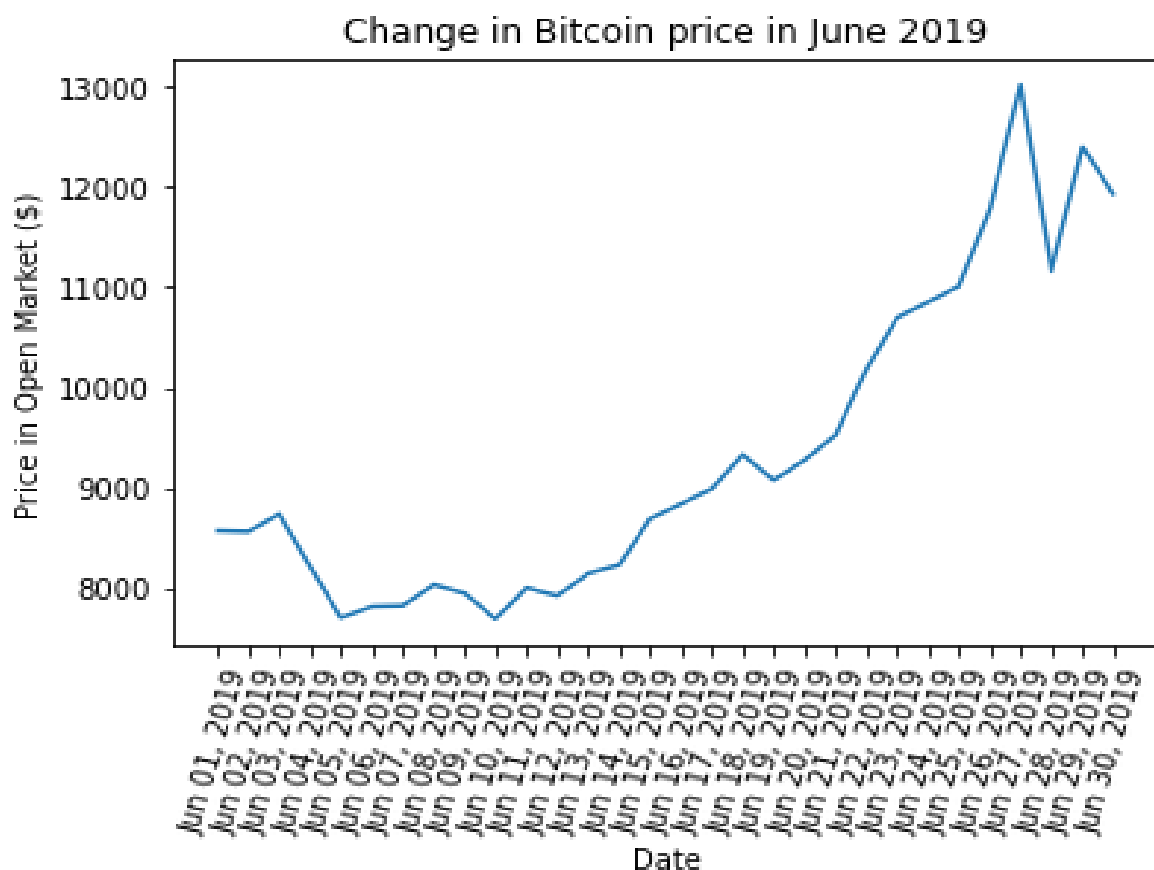
Amazon Products Data:

<https://drive.google.com/file/d/1-xviy4cLNZCXl67zatJdv53lEgaFx7EM/view>

**GitHub Repo:**

[https://github.com/Anush123678/assignment\\_1](https://github.com/Anush123678/assignment_1)

**Change in Bitcoin Price in June 2019:**

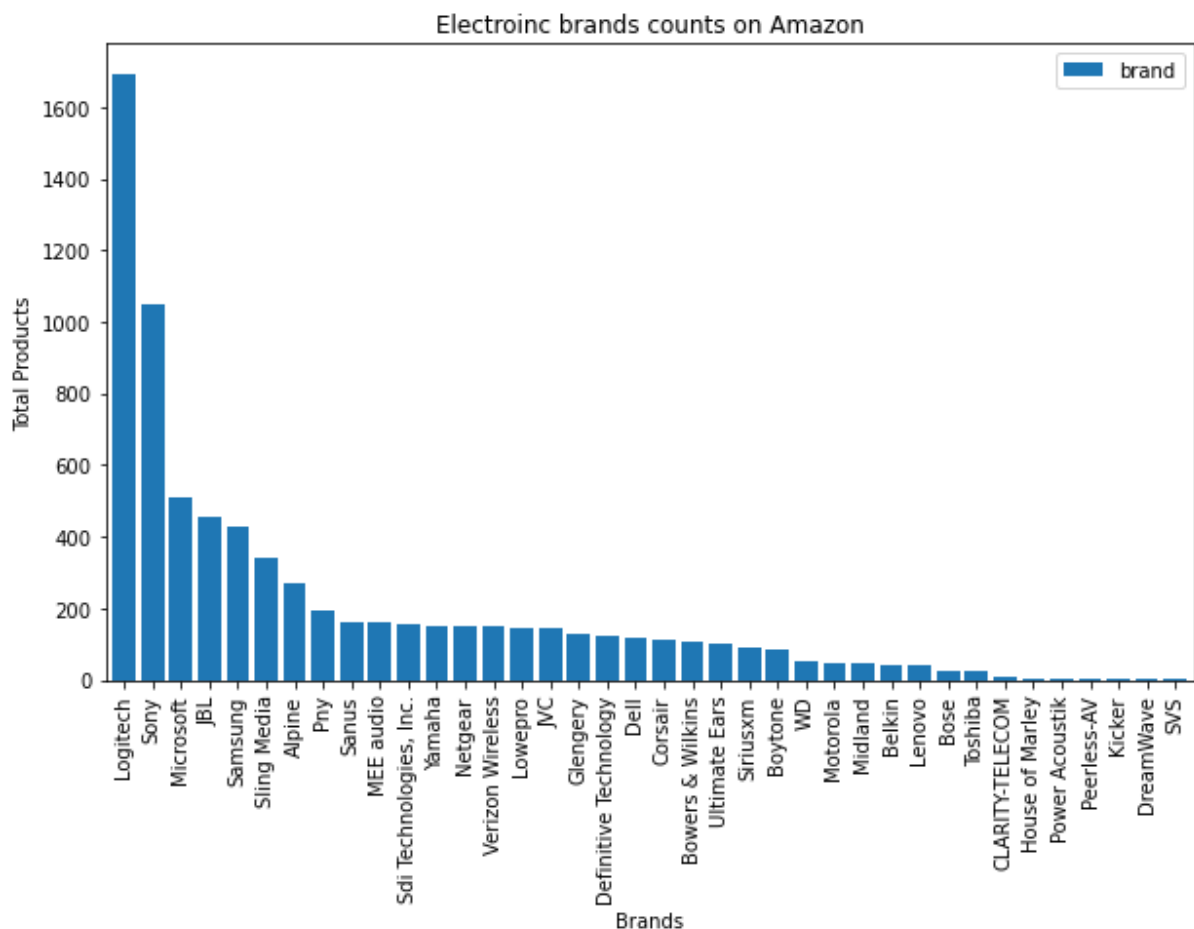


To display the variation in data over time, line graphs should be the first choice of a data analyst. It is mostly used to display trends of any data during a given time. These graphs can hold multiple lines too to display and compare the trend of different parameters

Nowadays, Cryptocurrency is losing its value very rapidly but I still remember the era of its rise. I thought about describing the change in the exchange rate of Bitcoin in Year 2019. Specifically, I selected the month of June and tried to display the change in price of Bitcoin cryptocurrency.

By this plot, we can conclude that on 27th of June, Bitcoin was at its peak price of the year 2019.

## Famous Electronic Devices Brands on Amazon:



Bar graph is mostly used to display and compare categorical data. The data used in the bar graphs can be split in well defined groups.

Electronic devices are much more common these days. There are a lot of brands who sell electronic goods. I have just got the data for brands who sell their electronic products on Amazon too. We have made a bar plot to describe the number of products available on Amazon of a specific brand.

From the preceding bar graph, we can summarise that Logitech is the best selling electronic brand at Amazon.

### Best Brand Sale Ratio for Electronic Products on Amazon:



To display the ratio of the data, pie plot is the best choice. In pieplot, a circle represents the whole data (100% of data). It uses colour coding to distinguish the percentage of items.

Here I made a ratio comparison about sales for electronic brands on Amazon. Here, we can see that Logitech is a clear winner (without including the Others section as it contains a lot of other brands too). The Sony brand goes on second position.

In this pieplot, we can see that Logitech sells 23.2% of all the electronic products on Amazon.