Ask

The questions asked in this analysis are:

- Which companies have the most laptops?
- What is the most common type of laptop?
- What is the price range of the laptops?

Prepare

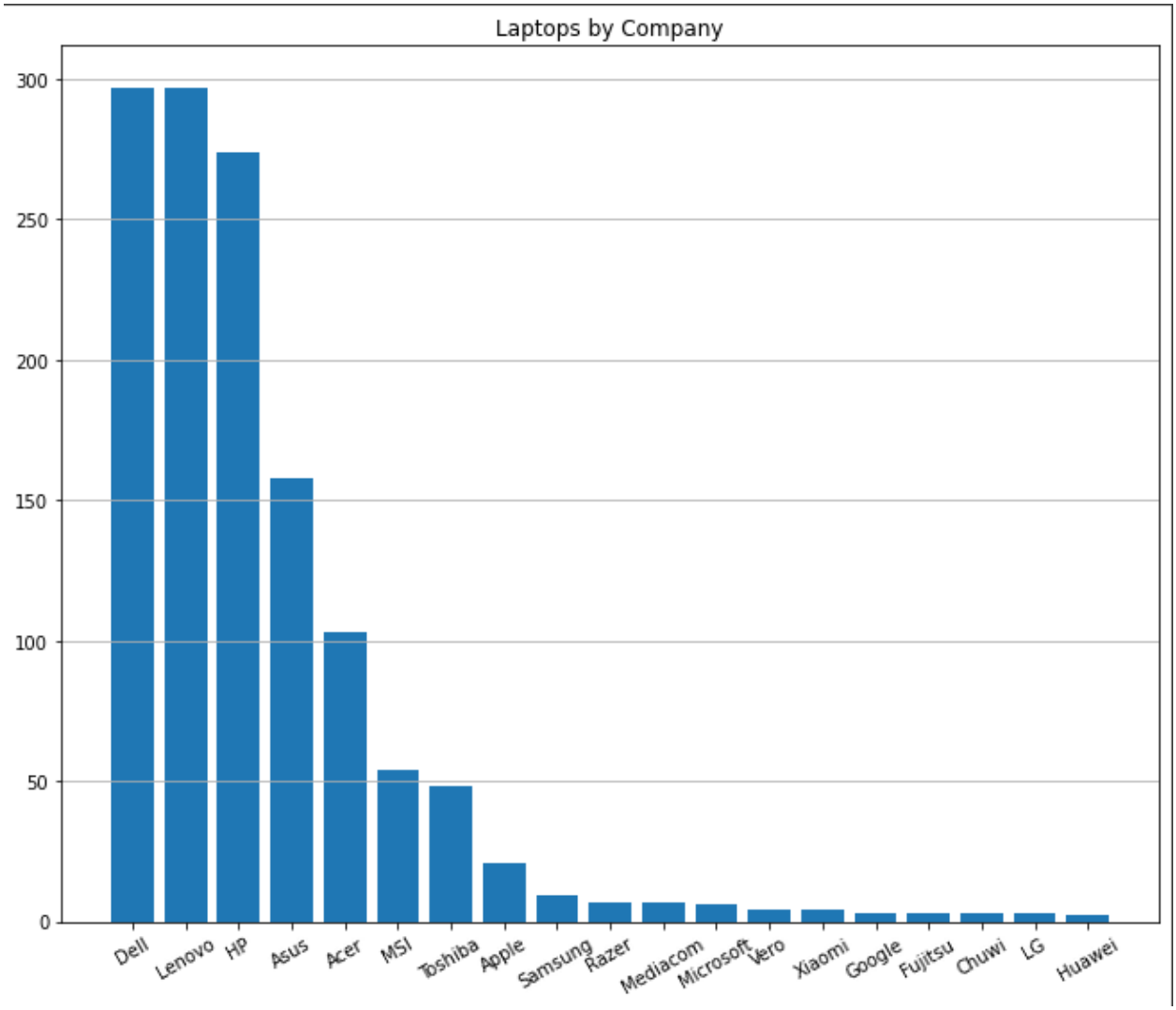
This dataset is found on Kaggle. This dataset contains information on about 1300 laptop models with various release years.

Process

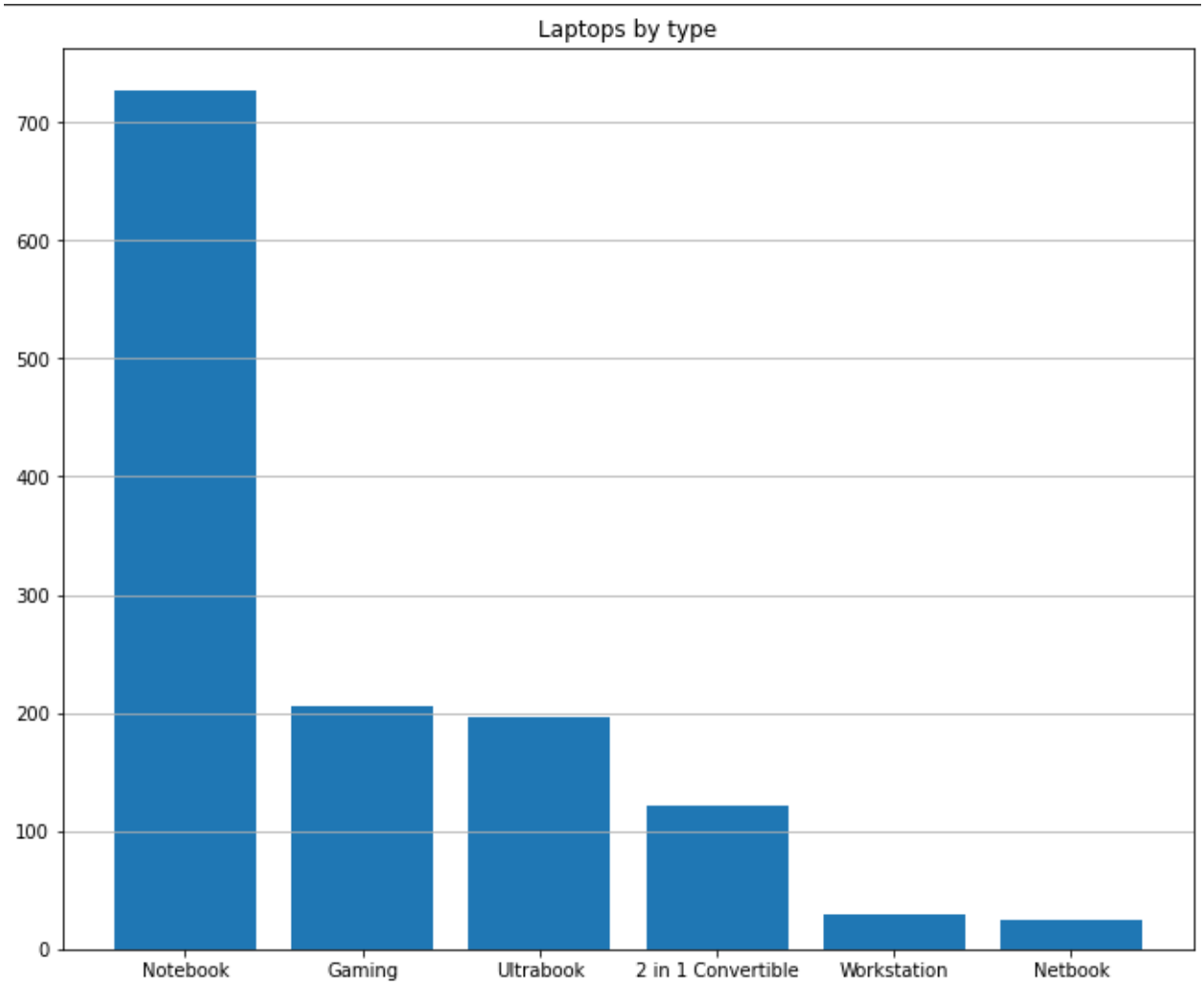
I imported the dataset to google sheets and check for spelling mistakes and duplicates. This dataset had neither. Then I imported the dataset to Google Collaboratory and check for nulls.

Analyze

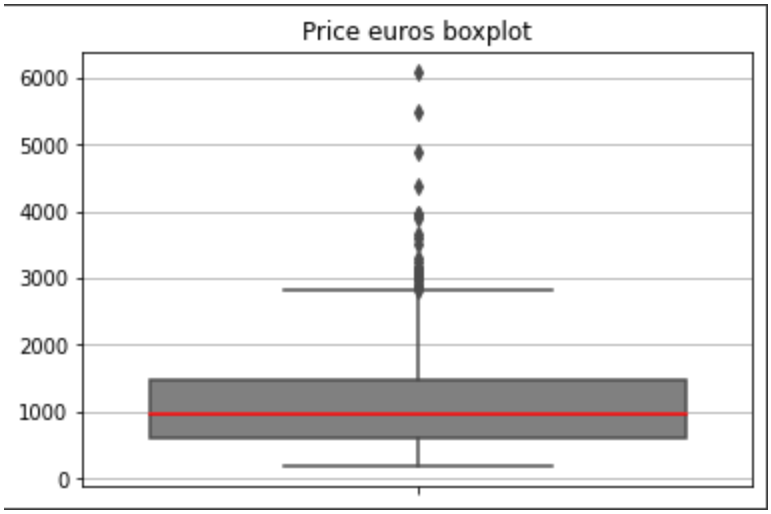
The first question had me analyze which company had the most laptops in the dataset. From the graph, we can see that Dell and Lenovo have the same amount of laptops on the graph. With HP not far behind. This makes sense because Dell, Lenovo, and HP are all mainly known for their laptops. While Asus, Acer, and MSI. the three companies following HP, are known to have other quality products such as computer parts and peripherals. So it makes sense for Dell, Lenovo, and HP to have the most laptops produced since that is the main item that they distribute.



The most common type of laptop is the Notebook. This also makes sense because notebooks are small and lightweight. Perfect for a student or a company that wants to supply their employee with something to do their work on. Notebooks are in the lead by a high count. With about 750 units. Gaming laptops, the second place laptop type, are approximately 200 units. This makes sense as to why these don't get manufactured a lot because they're big and bulky. Not as easy to move around as the Notebook.



For the third question, I made a boxplot to show the price distribution. The currency was in Euros. The median price is approximately 1000 euros. The maximum price is approximately 3000 euros with various outliers greater than 3000. However, the problem with this boxplot is the general pricing for all brands. I also coded a few lines to show the pricing for each individual company in the collaboratory notebook itself.


Price euros boxplot
6000
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0