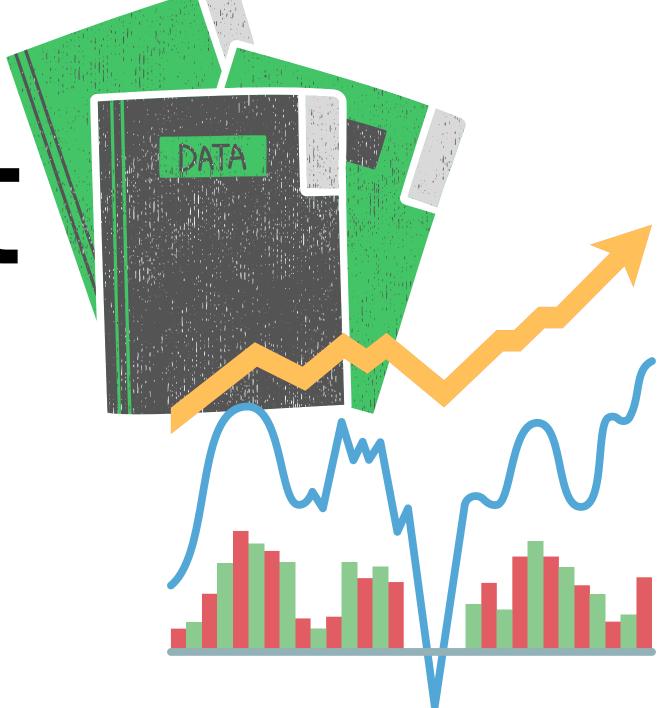
Final Project



by: Meyerbekova Merey, Daniyal Yerkesh

What is the purpose of our project?











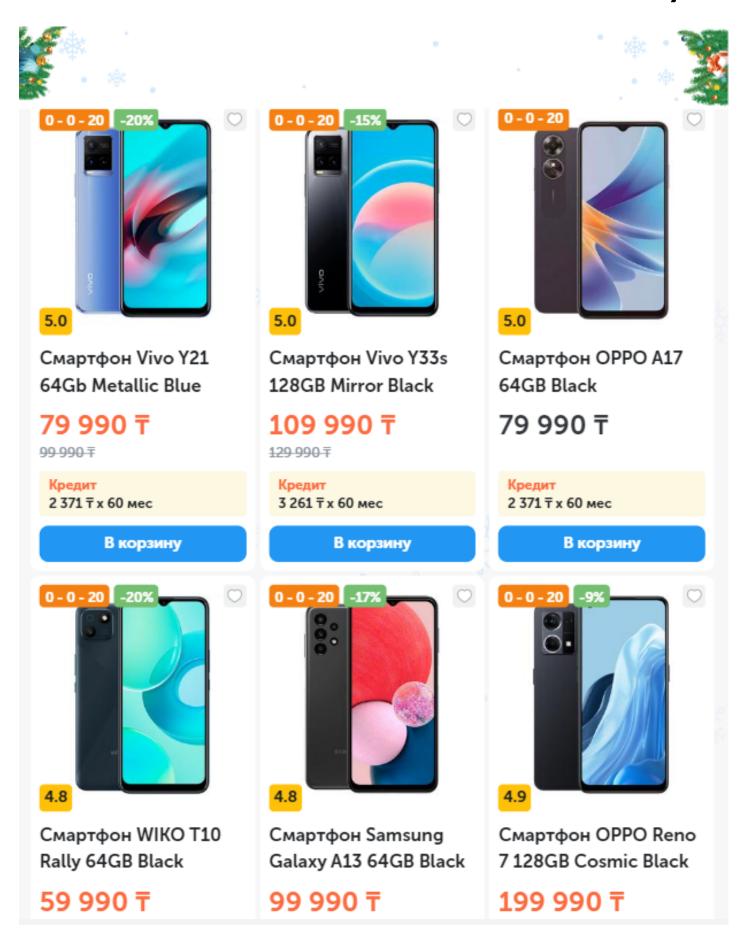
which phone is better?



what about the price?

Î TECHNODOM

CSS 328 Introduction to Data Analysis

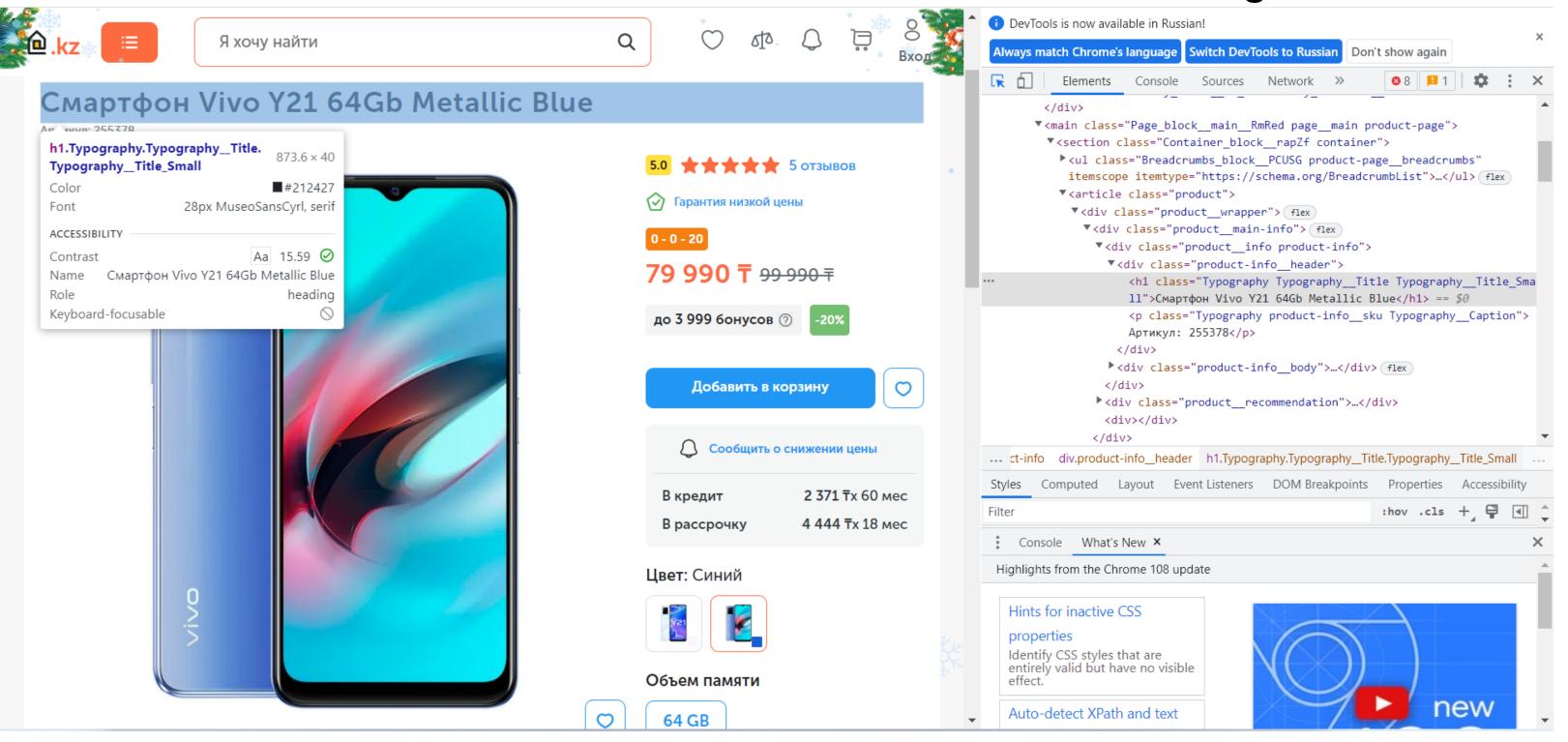


Data Collection with Web scraping

collected links for every phone

CSS 328 Introduction to Data Analysis

- name
- price
- rating





Data Cleaning

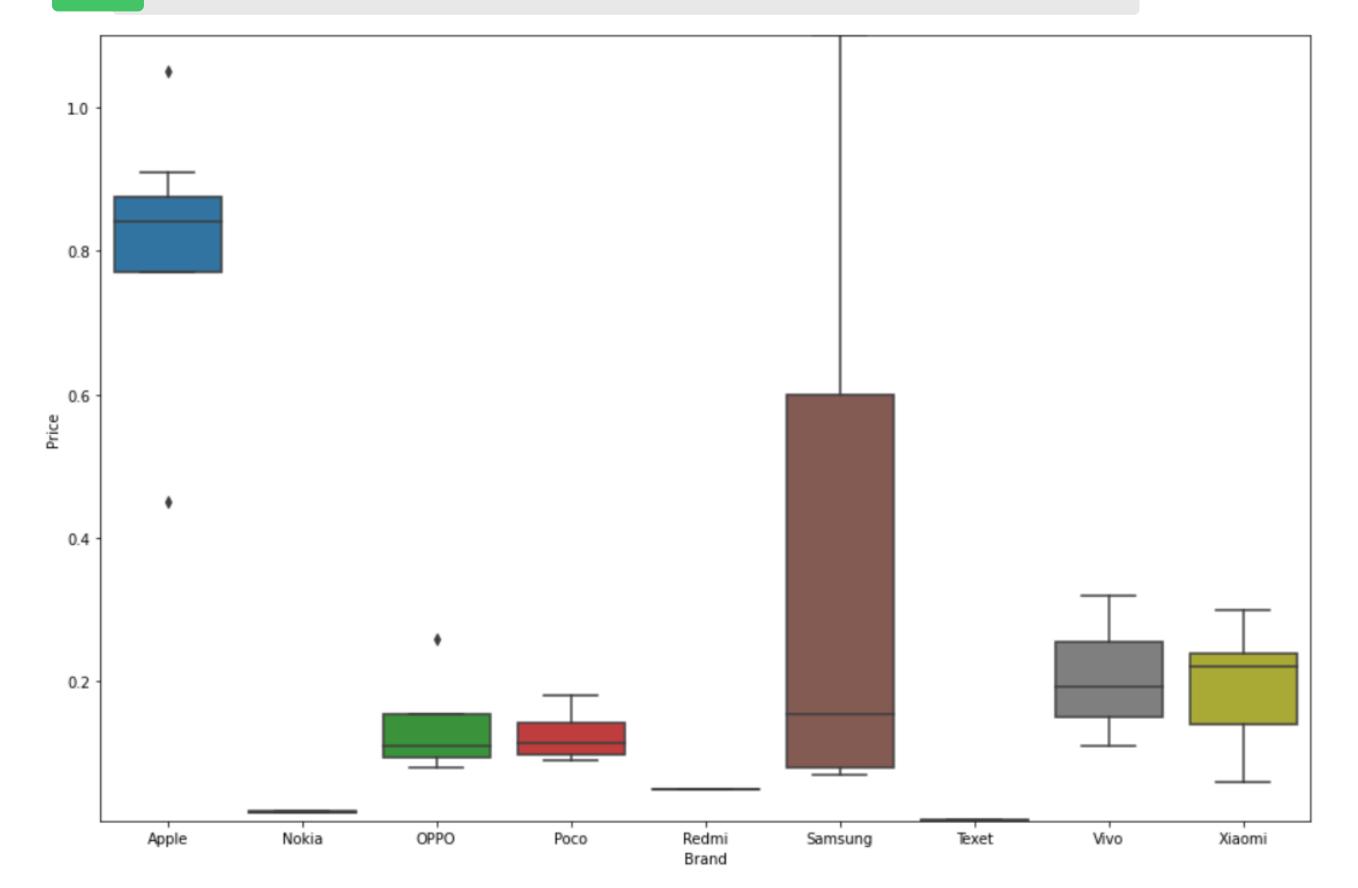
• Phones that are out of stock did not have a price on the site

	Name	Price	Rating out of 5
0	Смартфон Apple iPhone 14 Pro 1TB Gold	1 049 990 ₸	0.0
1	Смартфон HUAWEI Mate XS2 512GB Black	Sold Out	0.0
2	Смартфон Samsung Galaxy Z Flip4 128GB Blue	549 990 ₸	3.6
3	Смартфон Samsung Galaxy S22 Ultra 128GB Green	Sold Out	4.5
4	Смартфон Samsung Galaxy S22 Ultra 256GB Phanto	Sold Out	4.2

- converted the rating type to float
- the tenge icon was removed from the price and also converted to float

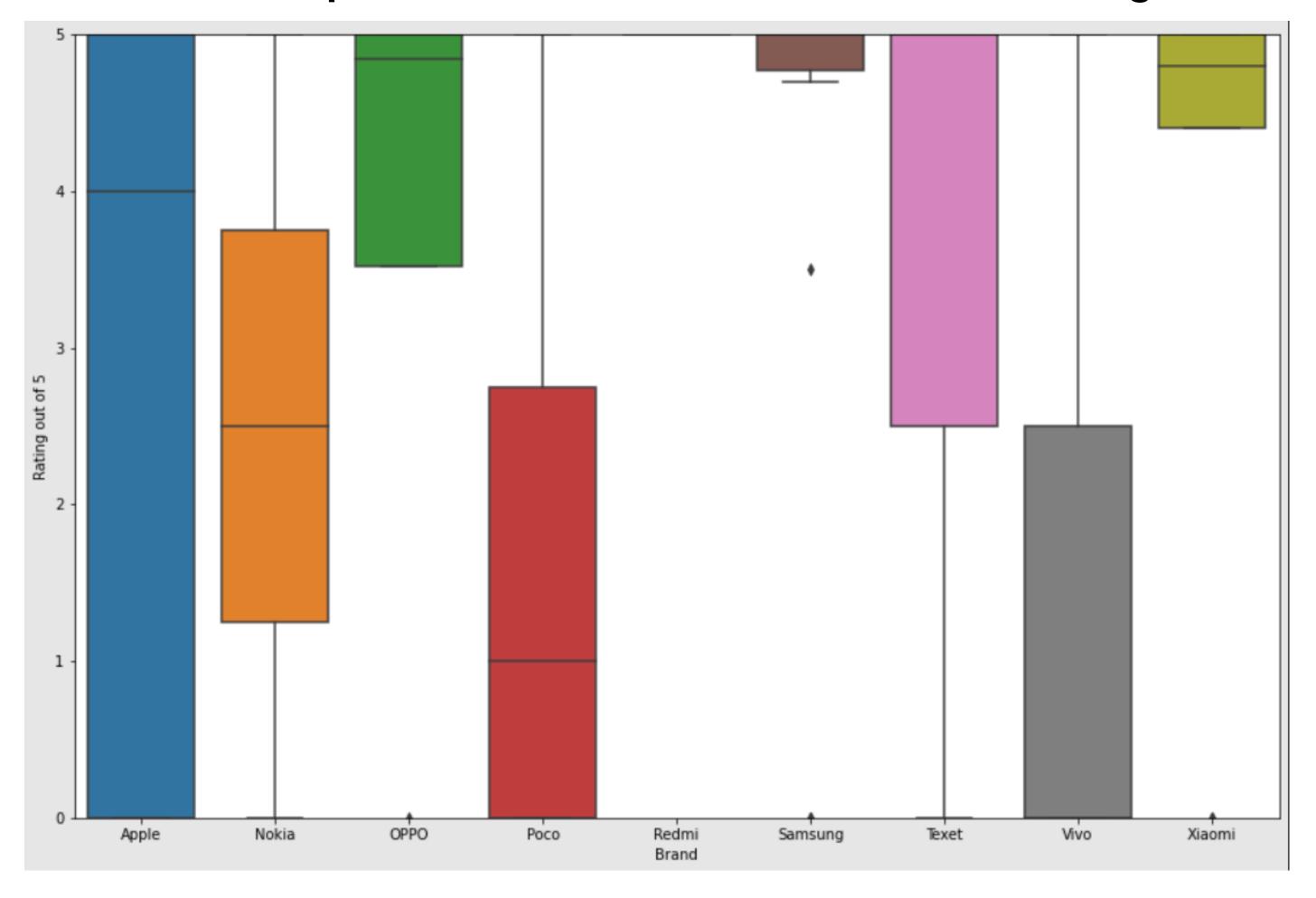


Data Statistics and Visualization

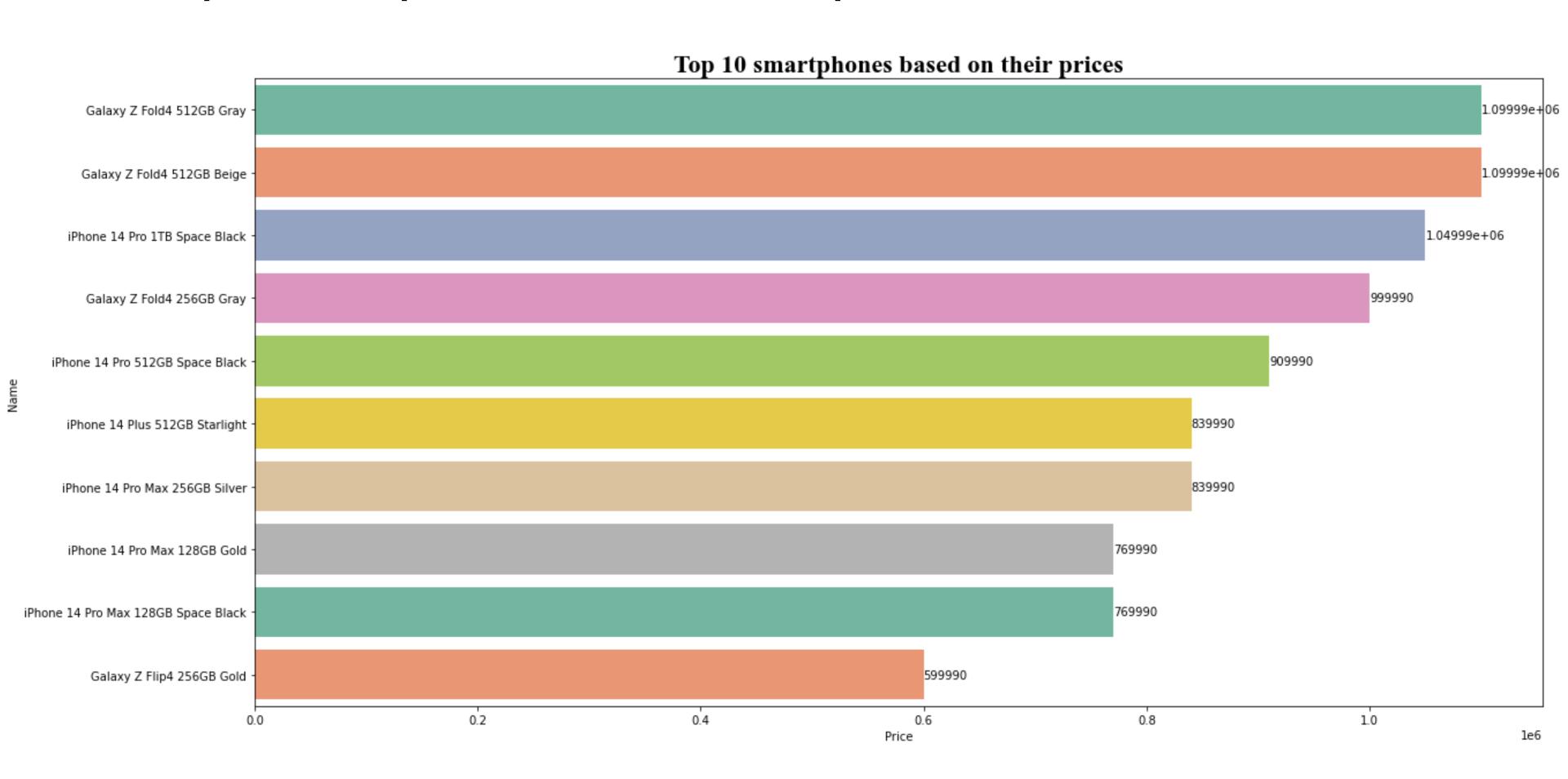


which smartphone brand is better in terms of price

which smartphone brand is better in terms of rating

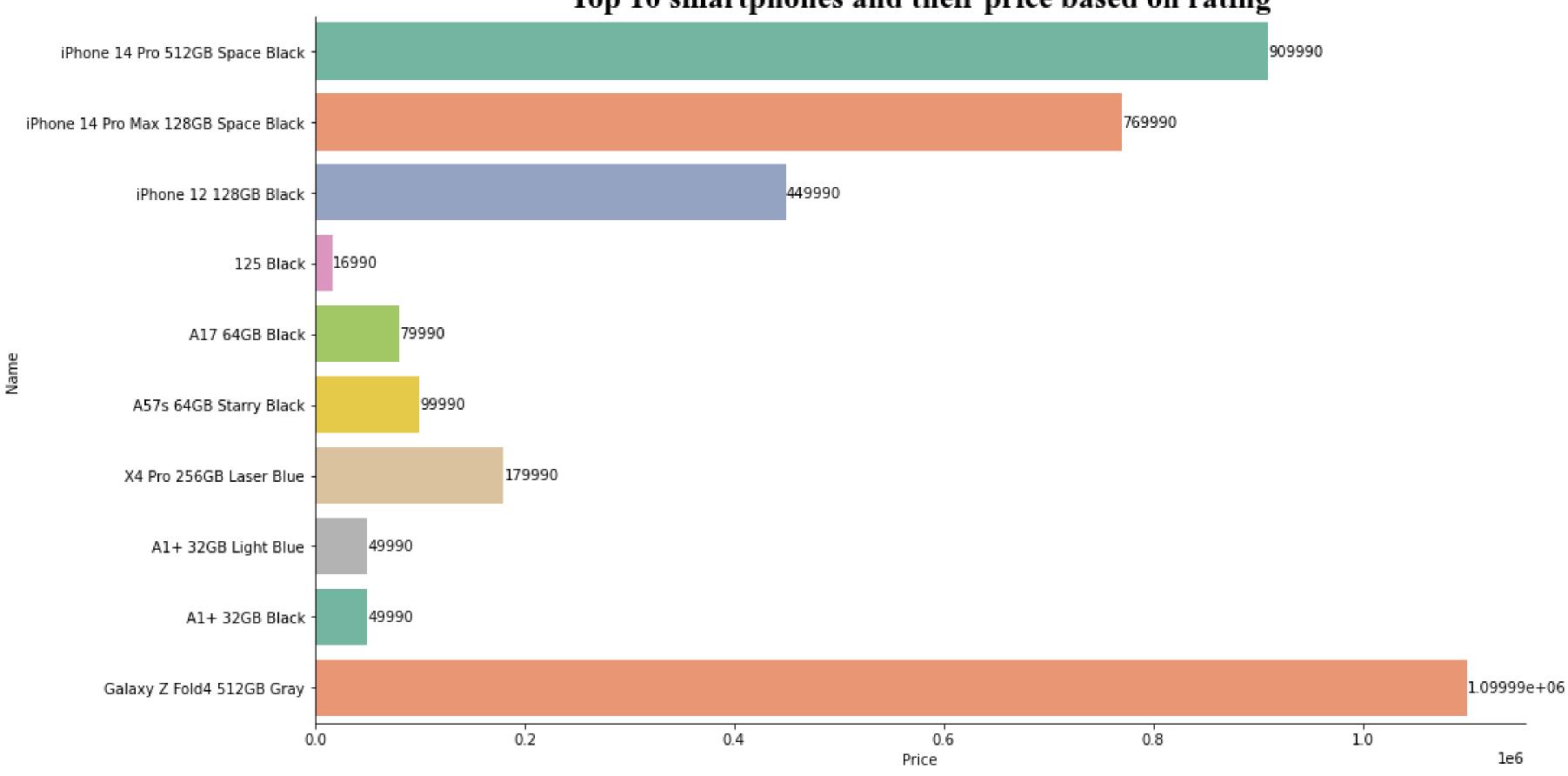


Top 10 smartphones based on their prices

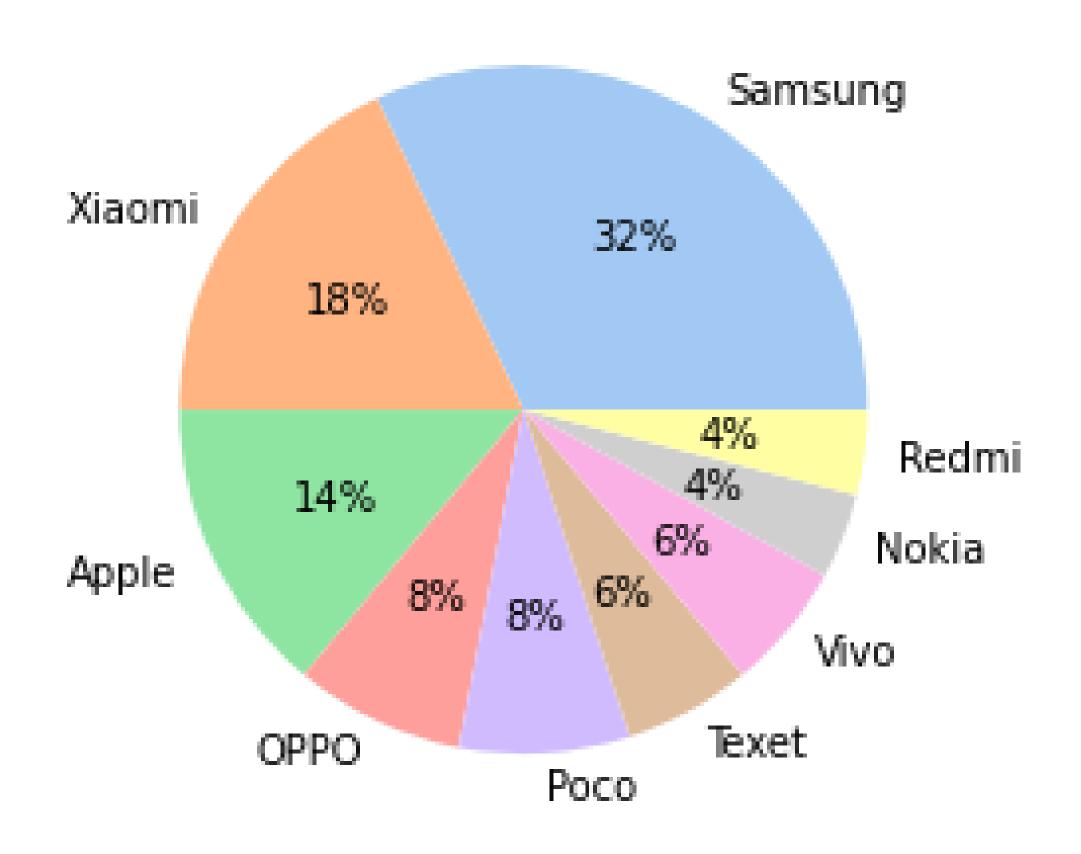


• Top 10 smartphones and their price based on rating



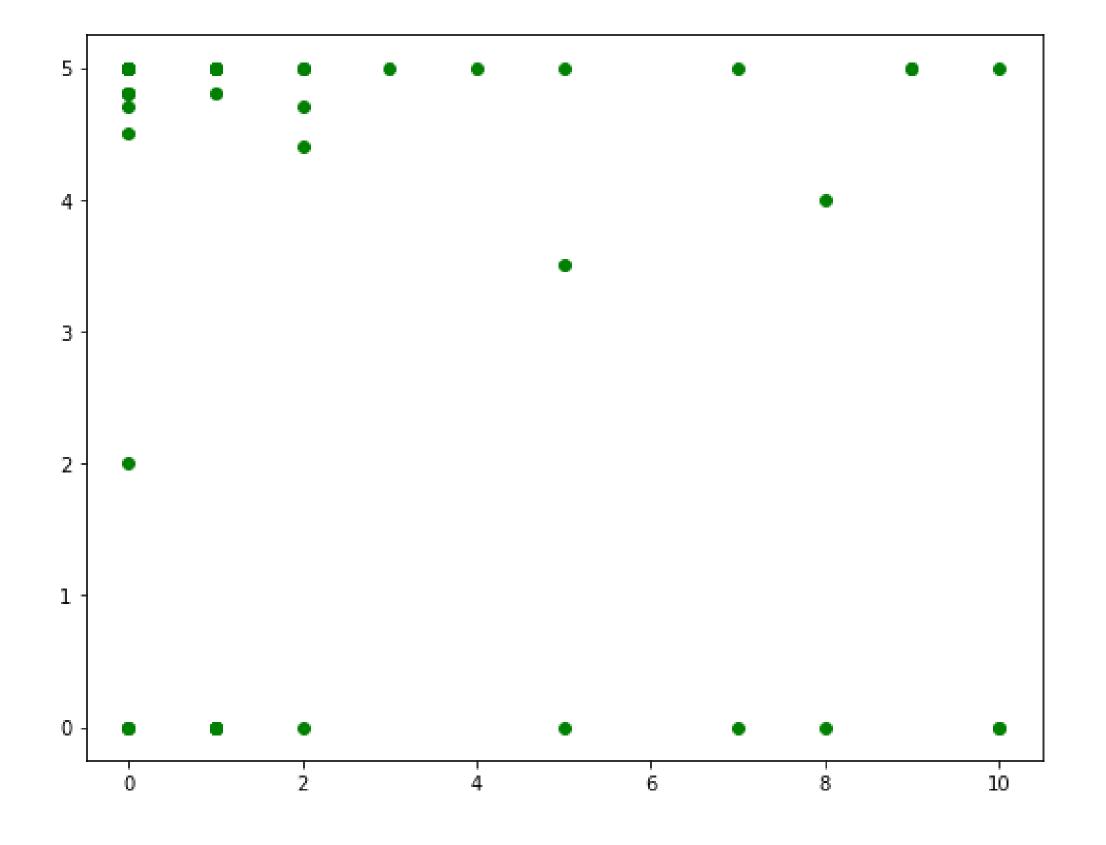


• Pie chart to calculate which phone brands are many



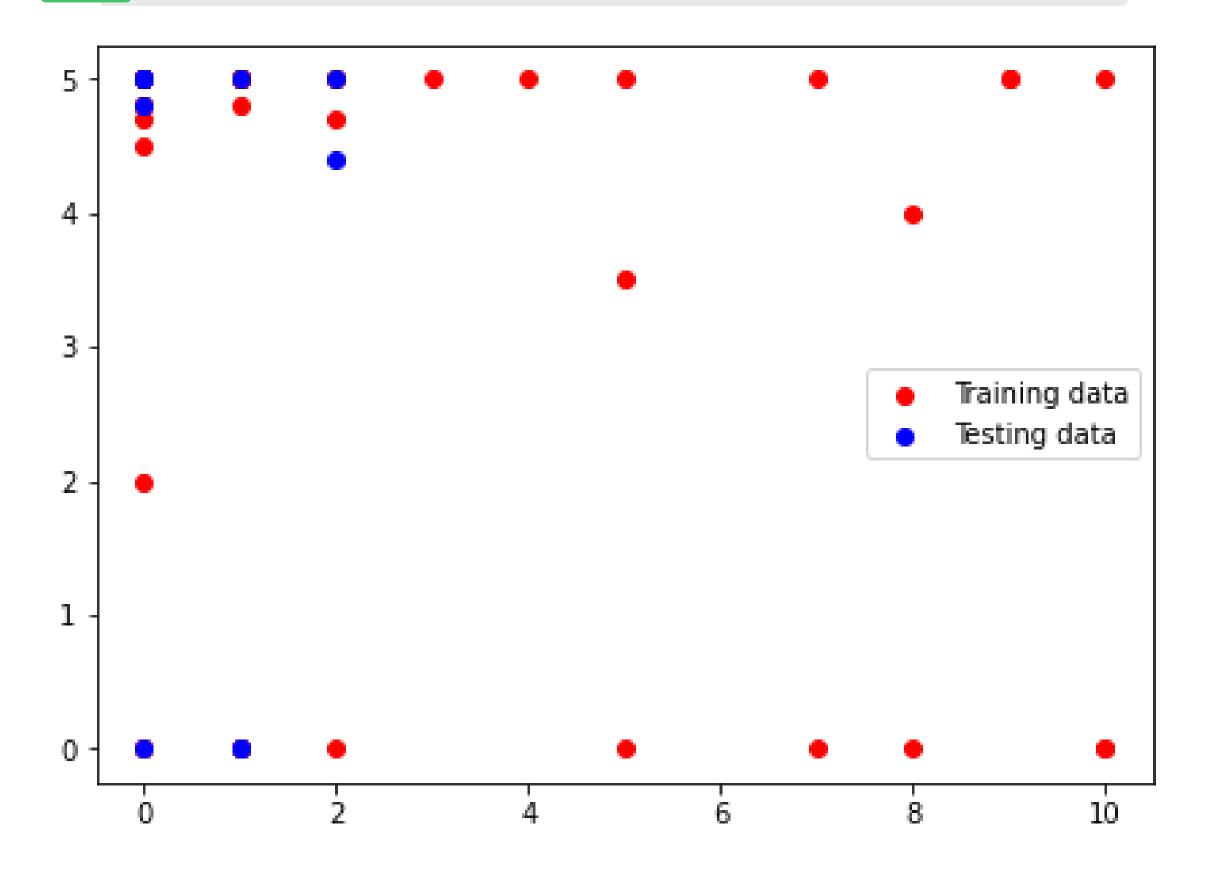
4

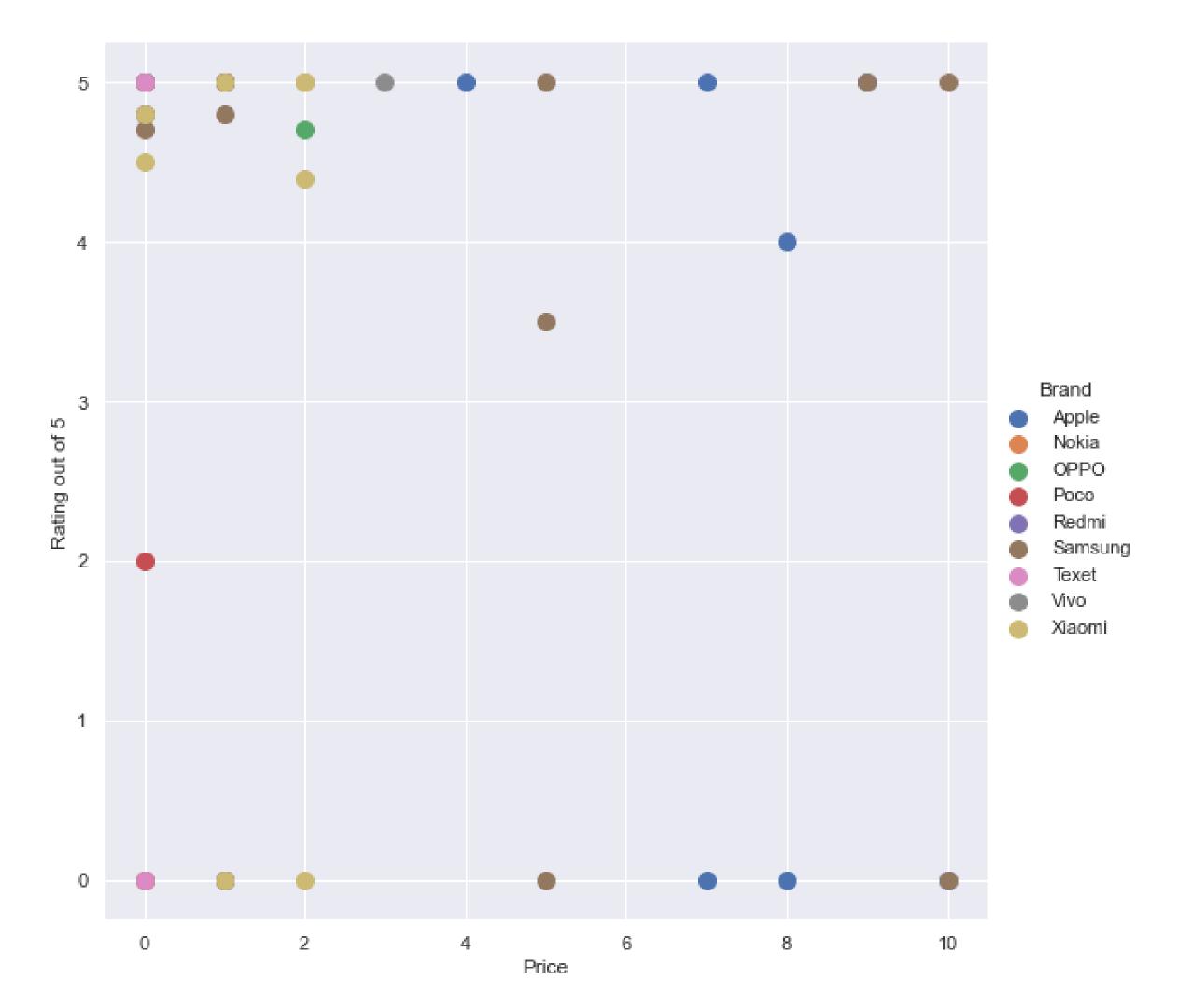
Data Analytics | ML Part



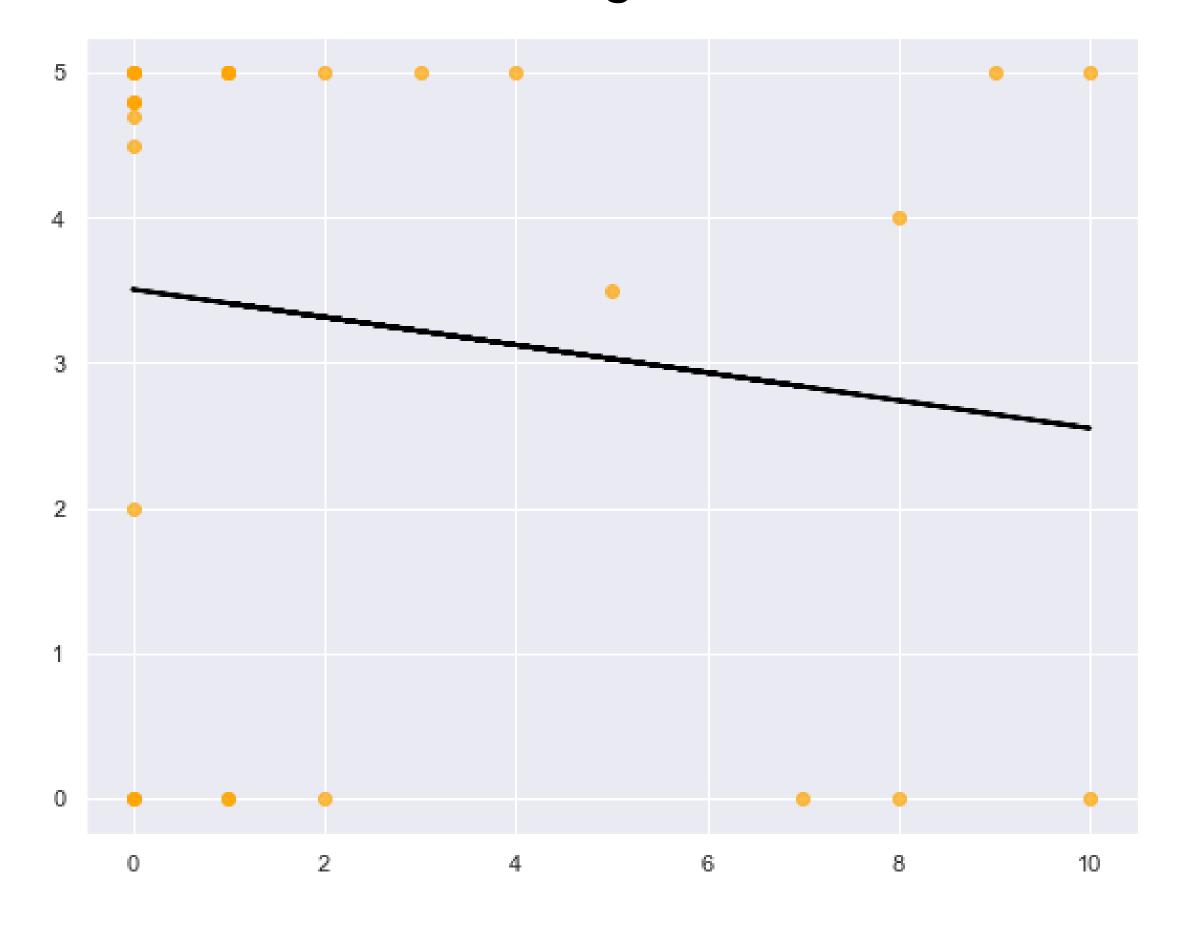
4

Data Analytics | ML Part

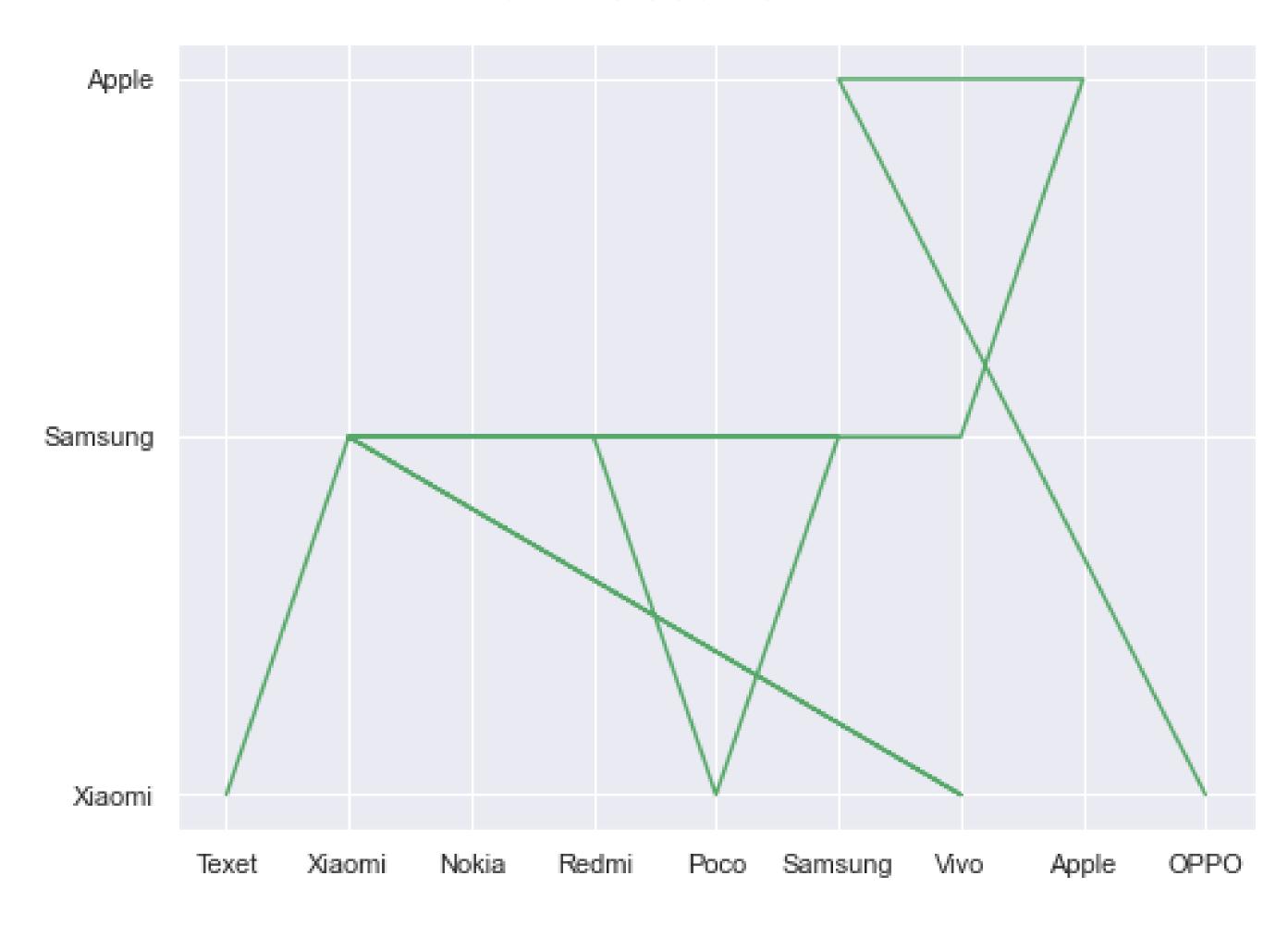


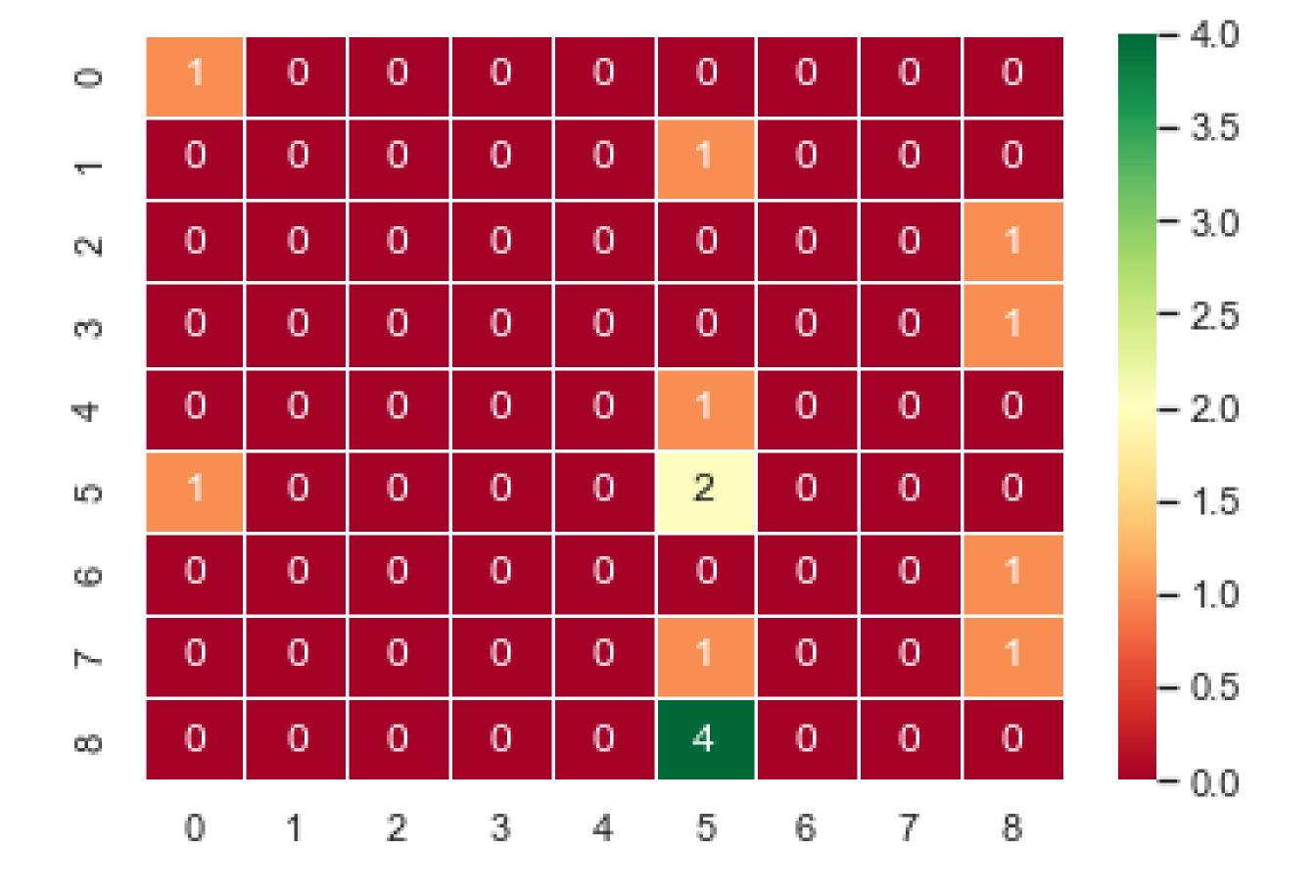


Linear Regression



SVM classifier







Results





- has some of the best smartphones
- prices have a wide range of choices

- high rating
- low price



Results



OPPO A17 64GB Black (79990 tenge and 5/5)



Poco X4 Pro 256GB Laser Blue (179990 in 5/5)

Thank You for your attention!