Pandas Assignment

Dataset [Link](#)

1. What is the shape of the dataset?

2. What are the data types of each column?

3. Are there any missing values in the dataset?

4. How many unique values are there in the "mobile_wt" column?

5. What is the average battery power of the mobile phones in the dataset?

6. How many mobile phones have dual sim support?

7. What is the maximum and minimum internal memory in the dataset?

8. How many mobile phones have 4G support?

9. What is the average weight of mobile phones in the dataset?

10. What is the maximum and minimum RAM size in the dataset?

11. How many mobile phones have a touch screen and 4G support?

12. Which mobile phone has the highest RAM size and what are its other specifications?

13. How does the number of processor cores affect the battery life of mobile phones?

14. Is there a relationship between the weight of a mobile phone and the quality of its primary camera?

15. How many mobile phones have a battery power greater than the average battery power of all mobile phones in the dataset and a primary camera quality of 10 megapixels or higher?