**EXPLORATORY DATA ANALYSIS-06**

**Dataset Link:** [**Link**](https://docs.google.com/spreadsheets/d/1tCOEPlVy45q11xHQhEtTV2X4KBPr62mZhoXCu6hqzP8/edit#gid=1268594260)

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. What is the distribution of battery power in the dataset?
7. How many mobile phones have a dual sim support?
8. What is the maximum and minimum internal memory in the dataset?
9. What is the distribution of internal memory in the dataset?
10. How many mobile phones have 4G support?
11. What is the average weight of mobile phones in the dataset?
12. What is the maximum and minimum RAM size in the dataset?
13. How many mobile phones have a touch screen and 4G support?
14. What is the average internal memory capacity of mobile phones with 4G support and a primary camera quality of 8 megapixels or higher?
15. Which mobile phone has the highest RAM size and what are its other specifications?
16. What is the distribution of battery power for mobile phones with a weight between 150 and 200 grams?
17. How many mobile phones have a primary camera quality of 8 megapixels or higher and a touch screen?
18. What is the average weight of mobile phones with 4G support and a touch screen?
19. How many mobile phones have a battery power greater than 3000 mAh and a talk time greater than 20 hours?
20. Which mobile phone has the highest primary camera quality and what are its other specifications?
21. 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?
22. Is there a correlation between battery power and screen size?
23. How does the number of processor cores affect the battery life of mobile phones?
24. Is there a relationship between the weight of a mobile phone and the quality of its primary camera?