

# Statistics Basic-1

## Assignment Questions



**Q1. What is Statistics?**

**Q2. Define the different types of statistics and give an example of when each type might be used.**

**Q3. What are the different types of data and how do they differ from each other? Provide an example of each type of data.**

**Q4. Categorise the following datasets with respect to quantitative and qualitative data types:**

(i) Grading in exam: A+, A, B+, B, C+, C, D, E

(ii) Colour of mangoes: yellow, green, orange, red

(iii) Height data of a class: [178.9, 179, 179.5, 176, 177.2, 178.3, 175.8,...]

(iv) Number of mangoes exported by a farm: [500, 600, 478, 672, ...]

**Q5. Explain the concept of levels of measurement and give an example of a variable for each level.**

**Q6. Why is it important to understand the level of measurement when analyzing data? Provide an example to illustrate your answer.**

**Q7. How nominal data type is different from ordinal data type.**

**Q8. Which type of plot can be used to display data in terms of range?**

**Q9. Describe the difference between descriptive and inferential statistics. Give an example of each type of statistics and explain how they are used.**

**Q10. What are some common measures of central tendency and variability used in statistics? Explain how each measure can be used to describe a dataset.**

**Note:** Create your assignment in Jupyter notebook and upload it in GitHub & share that github repository link through your dashboard. Make sure the repository is public.