Data Science Concept Oriented questions

Exploratory Data analysis:

1. For analysis of one variable, which exploratory data analysis you will use?
2. For analysis of two variables, which exploratory data analysis you will use?
3. For analysis of more than two variables, which exploratory data analysis you will use?

QuanQual:

1. Discrete and continuous value will fall under quan or qual?
2. Categorical (Nominal & Ordinal) value will fall under quan or qual?

Frequency, Relative frequency and Cumulative relative frequency:

1. How many students spent 2 hrs daily for AI Learning?
2. What is the percentage of 2 hrs?
3. What is the cumulative frequency of 5 hrs?

Outlier:

1. What is the outlier in the dataset: 25,30,45,50,200

Central Tendency:

1. What is the overall performance of a student in a class
2. Which parameter you will take if outlier exists in nominal, interval and ratio variable?
3. How to find the most repeated value of a dataset?
4. How to find the value exist within the range?
5. How to identify is outlier is present in the given dataset?

Measure of spread:

1. What is the average of the squares of the deviation?
2. Which terminology is used to predict whether a particular data value is close or far from the mean?

Histogram, Kurtosis & density curve:

1. How you will measure symmetry, more precisely or lack of symmetry?
2. If Kurtosis<3, how will be the convexity of a curve?
3. What is the probability that the student will get placement for AI Engineer role between 27 and 36 lakh per annum package?
4. What is the probability that the student will weigh less than 75 Kg?
5. What is Empirical Rule and what is first order standard deviation?
6. How to convert Normal distribution to standard normal distribution?
7. How to compare values from different datasets? Students from Matric & CBSE