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Statistics Interview Questions

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Basic Statistics Interview Questions for Freshers ⌄

1. What do you think of the phrase 'p-value'?
2. What is Statistics?
3. What is the central limit theorem?
4. What is a hypothesis test? How is the statistical significance of an insight determined?
5. Why are statistical data referred to as observational and experimental?
6. What is the definition of an inlier?
7. What is the Six sigma in statistic?
8. What does KPI stand for in statistics?
9. Why is the Pareto principle famous?
10. What are the characteristics of large numbers in statistics?
11. What are the differences between Data Science and Statistics?
12. What are cherry-picking, P-hacking, and significance chasing?
13. What is the difference between an error of type I and an error of type II?
14. How does one define statistical interaction?
15. What are some examples of data sets with non-Gaussian distributions?
16. How does linear regression work?
17. What are the necessary conditions for a Binomial Distribution?
18. What is the difference between a sample and a population?
19. What are the different kinds of variables or levels of measurement?
20. What is the difference between Descriptive and Inferential Statistics?

Statistics Interview Questions for Experienced ⌄

1. What is sampling?
2. How do you determine the statistical significance of an insight?
3. How does the central limit theorem work?
4. How do you define exploratory data analysis?
5. What is the definition of selection bias?
6. What does it mean by inlier?
7. What are the applications of long-tailed distributions?
8. In what situation would the median be a more suitable measure compared to the mean?