Practice Interview Questions

# Inferential Statistics

* What descriptive measure in statistics do you know?
* What’s the difference between the mean, the median and the mode?
* What is the difference between Type I and Type II error?
* What is a p-value, and what is it used for?
* What are the null and alternative hypothesis in a statistical test?
* What is a t-test? Do you know what is its relationship to the z-test?
* What is the power of a statistical test?
* What is the standard deviation?
* What is a confidence interval, and what is it used for?
* What is bootstrapping/resampling used for?
* Do you know the difference between frequentist and Bayesian statistics?
* What are outliers? How can you check for them?
* What is a correlation coefficient? What range of values can it take?
* What is the Central Limit Theorem?
* What is the normal distribution? How can you test if data is normally distributed?
* Can you explain the major types of plots - histogram, bar chart, box plot, and scatter plot?
* What is a correlation matrix?