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What 𝘀𝘁𝗮𝘁𝘀 𝗰𝗼𝗻𝗰𝗲𝗽𝘁𝘀 are commonly asked in 𝗱𝗮𝘁𝗮 𝘀𝗰𝗶𝗲𝗻𝗰𝗲 𝗶𝗻𝘁𝗲𝗿𝘃𝗶𝗲𝘄𝘀?

These are fair game in interviews at 𝘀𝘁𝗮𝗿𝘁𝘂𝗽𝘀, 𝗰𝗼𝗻𝘀𝘂𝗹𝘁𝗶𝗻𝗴 & 𝗹𝗮𝗿𝗴𝗲 𝘁𝗲𝗰𝗵.

Here's a comprehensive list 👇👇👇

𝗕𝗮𝘀𝗶𝗰𝘀

- Univariate statistics - mean, median, mode

- Standard deviation and variance

- Covariance and correlation

- Population and sample

- Nominal, ordinal and continuous, discrete data types

- Outlines

- The Simpson’s Paradox

- Selection Bias

𝗛𝘆𝗽𝗼𝘁𝗵𝗲𝘀𝗶𝘀 𝗧𝗲𝘀𝘁𝗶𝗻𝗴

- Hypothesis Statements

- Z-Test

- T-Test

- T-Test for sample means

- Z-Test for proportions

- Paired and unpaired T-Tests

- Variance test

- ANOVA

- Chi-Squared test

- Goodness of Fit test for categorical data

- Nominal, ordinal and continuous, discrete data types

- Pairwise tests

- T-Test assumptions

- Non-parametric tests

- Type 1 & 2 Errors

𝗣𝗿𝗼𝗯𝗮𝗯𝗶𝗹𝗶𝘁𝘆 & 𝗗𝗶𝘀𝘁𝗿𝗶𝗯𝘂𝘁𝗶𝗼𝗻𝘀

- The Bayes Theorem

- Conditional probability

- Normal distribution

- Uniform distribution

- Bernoulli distribution

- Binomial distribution

- Geometric distribution

- Poisson distribution

- Exponential distribution

- Deriving the mean and variance of distributions

- Central Limit Theorem

- The Birthday problem

- Card probability problems

- Die roll problems

𝗥𝗲𝗴𝗿𝗲𝘀𝘀𝗶𝗼𝗻 𝗠𝗼𝗱𝗲𝗹𝗶𝗻𝗴

- OLS regression

- Confidence vs prediction intervals

- Logistic regression

- Regression model assumptions

- Model diagnostic checks

- R-Square vs R-Square Adjusted

- AIC, BIC, CP Statistics

- Model Interpretation

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