Introduction to Statistics

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Abstract

Introduction to Statistics Udemy Course

1 Descriptive Statistics

- Sample Mean and Median

- Point Estimates

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2 Descriptive Statistics

- The normal distribution

- The Central Limit Theorem

- Sampling Distributions

- Standard error

- $p-$ values

- Testing for Normality

3   Interval Estimates

- Confidence Intervals

- Prediction Intervals and Tolerance Intervals

- The Student $t-$ distribution

- Concluding Remarks

4   Decision Making with Statistics

- Hypothesis Testing

- The Null hypothesis

5   Analysis of Variance

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6   Correlation and Regression

- Prediction Intervals

- Confidence Intervals for fitted Values