

Notes and Study Guides

Notes

- Basic Terminology¹
- Visualizing Variables²
- Percentiles³
- Measures of Center⁴
- Measures of Spread⁵
- Linear Transformations⁶
- Density Curves⁷
- The Normal Distribution⁸
- Relationships between two variables⁹
- Scatterplots and Correlation¹⁰
- General Theory on Modeling and Data Fitting¹¹
- Linear Models and Regression Lines¹²
- The question of causation¹³
- Introduction to Probability¹⁴
- Probability rules¹⁵
- Conditional Probability¹⁶
- Independent Events¹⁷
- Tree Diagrams¹⁸
- Random Variables¹⁹
- The Binomial Setting and Distribution²⁰
- Mean and Standard Deviation of Random Variables²¹
- Combining Random Variables²²
- Mean and Standard Deviation of the Binomial²³

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²notes/visualizing_distributions.html

³<notes/percentiles.html>

⁴notes/measures_center.html

⁵notes/measures_spread.html

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- Binomial: Approximating by Normal²⁴
- The Sample Mean / IID Setting²⁵
- Inference I: Confidence Intervals²⁶
- Inference II: Hypothesis Tests²⁷

Study Guides

- Midterm 1 study guide²⁸
- Midterm 2 study guide²⁹
- Final study guide³⁰

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²⁵[notes/iid_setting.html](#)

²⁶[notes/confidence_intervals.html](#)

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