

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

¹notes/basic_terminology.html

²notes/visualizing_distributions.html

³<notes/percentiles.html>

⁴notes/measures_center.html

⁵notes/measures_spread.html

⁶notes/linear_transformations.html

⁷notes/density_curves.html

⁸notes/normal_distribution.html

⁹<notes/relationships.html>

¹⁰notes/scatterplot_correlation.html

¹¹notes/modeling_general.html

¹²notes/linear_regression.html

¹³notes/correlation_causation.html

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¹⁵notes/probability_rules.html

¹⁶notes/probability_conditional.html

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¹⁸notes/decision_trees.html

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²¹notes/rv_mean.html

²²notes/rv_combine.html

- Mean and Standard Deviation of the Binomial²³
- 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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²⁴[notes/binomial_mean.html](#)

²⁵[notes/iid_setting.html](#)

²⁶[notes/confidence_intervals.html](#)

²⁷[notes/hypothesis_tests.html](#)

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²⁹[notes/midterm2_study_guide.html](#)

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