

TABLE OF CONTENTS

Licensing

1: Introduction to Statistics

- 1.1: Statistics Vocabulary
- 1.2: Sampling Techniques

2: Descriptive Statistics

- 2.4: Applications of Standard Deviation
- 2.1.1: Five Number Summary and Box Plots Part 1
- 2.1.2: Five Number Summary and Box Plots Part 2
- 2.2.1: Histograms Part 1
- 2.2.2: Histograms Part 2
- 2.3.1: Measures of Center and Spread Part 1
- 2.3.2: Measures of Center and Spread Part 2

3: Probability

- 3.1: Basics of Probability
- 3.2: The Addition Rules of Probability
- 3.3: Multiplication Rule for Independent Events
- 3.4: General Multiplication Probability

4: Discrete Probability Distributions

- 4.2: The Binomial Distribution
- 4.1.1: Discrete Probability Distributions Part 1
- 4.1.2: Discrete Probability Distributions Part 2

5: Normal Probability Distribution

- 5.1: The Standard Normal Distribution
- 5.2: Area Under Any Normal Curve

6: Sampling Distribution

- 6.1: The Sampling Distribution of Means
- 6.2: The Sampling Distribution for Proportions

7: Confidence Intervals

- 7.1: Confidence Intervals Concepts
- 7.2: Confidence Interval for a Proportion
- 7.3: Confidence Interval for a Mean
- 7.4: Confidence Interval for Standard Deviation

8: Hypothesis Testing with One Sample

- 8.1.1: Introduction to Hypothesis Testing Part 1
- 8.1.2: Introduction to Hypothesis Testing Part 2
- 8.2: Hypothesis Testing of Single Proportion

- [8.3: Hypothesis Testing of Single Mean](#)
- [8.4: Hypothesis Test on a Single Standard Deviation](#)
- [8.5: Hypothesis Test on a Single Variance](#)

9: More Hypothesis Tests

- [9.1: Goodness-of-Fit Test](#)
- [9.2: Test of Independence](#)
- [9.3: ANOVA](#)

10: Hypothesis Testing with Two Samples

- [10.1: Two Population Means with Unknown Standard Deviations](#)
- [10.2: Comparing Two Independent Population Proportions](#)
- [10.3.1: Matched or Paired Samples Part 1](#)
- [10.3.2: Matched or Paired Samples Part 2](#)
- [10.4: Test of Two Variances](#)

11: Correlation

- [11.1.1: Correlation Concepts Part 1](#)
- [11.1.2: Correlation Concepts Part 2](#)
- [11.2: Correlation Hypothesis Test](#)
- [11.3: Normal Probability Plots](#)

[Index](#)

[Glossary](#)

[Detailed Licensing](#)