

Summer 2023

MAT1272 Statistics

Text: Introductory Statistics, 10th edition, Prem S. Mann, John Wiley & Sons

Date	Lessons	Homework
7/11	<p>1.1 Statistics and Types of Statistics 1.2 Basic Terms 1.3 Types of Variables 1.5 Population vs. Sample 2.1 Organizing and Graphing Qualitative Data 2.2 Organizing and Graphing Quantitative Data (Omit subsections 2.2.5 and 2.2.8.)</p>	<p>Wiley Plus (Graded) Homework CHAPTER 1 Wiley Plus (Graded) Homework CHAPTER 2</p>
7/12	<p>2.3 Stem-and-Leaf Displays 1.7 Summation Notation using a T1 84 3.1 Measures of Central Tendency for ungrouped Data Learn how to use the calculator to find measures of central tendency 3.2 Measures of Dispersion for Ungrouped Data (omit coefficient of variance) Learn how to use the calculator to find standard deviation 3.4 Use of Standard Deviation only section 3.4.2 3.5 Measures of Position 3.6 Box-and-Whisker Plot; outliers, left and right skews</p>	<p>Wiley Plus (Graded) Homework CHAPTER 3: # 1 of 2 Wiley Plus (Graded) Homework CHAPTER 3: # 2 of 2</p>
7/13	<p>13.1 Simple Linear Regression Model (Omit 13.1.7) 13.4 Linear Correlation – only calculating r 13.4.1 Learn how to use the calculator to find slope and y-int of regression line and the value of r. To find r go to CATALOG scroll down to DIAGNOSTIC and turn it ON (press enter twice). 4.1 Experiment, Outcomes and Sample Space 4.2 Calculating Probability</p>	<p>Wiley Plus (Graded) Homework CHAPTER 13 Wiley Plus (Graded) Homework CHAPTER 4: # 1 of 4</p>
7/18	<p>*Test 1* 4.3 Different Probability Concepts 4.3.1 Marginal and Conditional Probabilities and Related</p>	<p>Wiley Plus (Graded) Homework CHAPTER 4: # 2 of 4</p>

	<p>4.3.2 Mutually Exclusive Events 4.3.3 Independent vs. Dependent</p>	
7/19	<p>4.3.4 Complementary Events 4.4 Intersection of Events and the Multiplication Rule 4.5 Union of Events and the Addition Rule 4.6 Counting Rule, Factorials, Combinations, and Permutations Learn how to use the calculator for combinations and permutations (MATH)</p>	<p>Wiley Plus (Graded) Homework CHAPTER 4: # 3 of 4 Wiley Plus (Graded) Homework CHAPTER 4: # 4 of 4</p>
7/20	<p>5.5 The Hypergeometric Probability Distribution 5.1 Random Variables 5.2 Probability Distributions of a Discrete Random Variable 5.3 Mean and Standard Deviation of a Discrete Random Variable Learn how to use the calculator to find mean and standard deviation</p>	<p>Wiley Plus (Graded) Homework CHAPTER 5: # 1 of 3 Wiley Plus (Graded) Homework CHAPTER 5: # 2 of 3</p>
7/25	<p>5.4 The Binomial Probability Distribution Use formulas to find its mean and standard deviation Learn how to use the calculator to find binomial probabilities. 6.1 Continuous Probability Distribution and the Normal Probability Distribution Learn to use the calculator to find area under standard normal curve –end of Chapter 6.</p>	<p>Wiley Plus (Graded) Homework CHAPTER 5: # 3 of 3 Wiley Plus (Graded) Homework CHAPTER 6: # 1 of 3</p>
7/26	<p>*Test 2* 6.2 Standardizing the Normal Distribution 6.3 Applications of the Normal Distribution Learn to use the calculator with nonstandard normal distributions.</p>	<p>Wiley Plus (Graded) Homework CHAPTER 6: # 1 of 3</p>

7/27	<p>6.4 Determining the of z and x Values when an Area Under the Normal Curve is Known Learn to use the calculator to find z-score given the area or percentage.</p> <p>7.1 Sampling Distributions, Sampling Error, and Non-Sampling Errors</p> <p>7.2 Mean and Standard Deviation of \bar{x}</p> <p>7.3 Shape of the Sampling Distribution of \bar{x}</p>	<p>Wiley Plus (Graded) Homework CHAPTER 6: # 3 of 3 Wiley Plus (Graded) Homework CHAPTER 7: # 1 of 2</p>
8/1	<p>7.3.1 (Continued) Central Limit Theorem, and Ex.7-3 & Ex 7-4</p> <p>7.4 Applications of the Sampling Distribution of \bar{x}</p> <p>9.1 Hypothesis Tests: An Introduction</p>	<p>Wiley Plus (Graded) Homework CHAPTER 7: # 2 of 2 Wiley Plus (Graded) Homework CHAPTER 9: # 1 of 4</p>
8/2	<p>9.2 Hypothesis Tests about μ: σ known.</p>	<p>Wiley Plus (Graded) Homework CHAPTER 9: # 2 of 4 Wiley Plus (Graded) Homework CHAPTER 9: # 3 of 4</p>
8/3	<p>*Test 3*</p> <p>9.2 Hypothesis Tests about μ: σ unknown.</p>	<p>Wiley Plus (Graded) Homework CHAPTER 9: # 4 of 4</p>
8/8	<p>11.1 The Chi-Square Distribution</p> <p>11.2 A Goodness-of-Fit Test</p> <p>11.3 A Test about Independence or Homogeneity (Optional)</p>	<p>Wiley Plus (Graded) Homework CHAPTER 11: #1 of 2 Wiley Plus (Graded) Homework CHAPTER 11: #2 of 2</p>
8/9	Final Exam Review	
8/10	Final Exam	