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| **Grade Level** 10-12 AP Statistics | | **Teacher/Room**: LPayne/181 Week of: August 22- August 26 | | | |
| **Unit Vocabulary: Chapter 2 Vocabulary- See attached** | | | | | |
| **Instructional Strategies Used:** direct instruction, independent study, interactive instruction, **activities, case studies, case closed, data exploration.** | | | | | |
| **Day 1** | **Day 2** | | **Day 3** | **Day 4** | **Day 5** |
| **Common Core Standard(s)**:  **S.ID.4. Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.** | **Common Core Standard(s)**:  **S.ID.4. Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.** | | **Common Core Standard(s)**:  **S.ID.4. Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.** | **Common Core Standard(s)**:  **S.ID.4. Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.** | **Common Core Standard(s)**:  Describe why it is important to investigate relationships between variables. • Identify explanatory and response variables in situations where one variable helps to explain or influence the other. • Make a scatterplot to display the relationship between two quantitative variables. • Describe the direction, form, and strength of the overall pattern of a scatterplot. • Recognize outliers in a scatterplot. • Know the basic properties of correlation. • Calculate and interpret correlation in context. • Explain how the correlation r is influenced by extreme observations. |
| **EQ Question:**  How do you describe location of an individual within a “normal” distribution and perform useful calculations using properties of Normal Distributions? | **EQ Question:**  How do you describe location of an individual within a “normal” distribution and perform useful calculations using properties of Normal Distributions? | | **EQ Question:**  How do you describe location of an individual within a “normal” distribution and perform useful calculations using properties of Normal Distributions? | **EQ Question:**  How do you describe location of an individual within a “normal” distribution and perform useful calculations using properties of Normal Distributions? | **EQ Question:**  What does it mean to regress? • What is association? What is correlation? How are they connected? • Does association imply causation? • How can modeling data help us to understand patterns? • Can we use extrapolation to predict the future? • What is the best evidence for causation? • Is it possible to test for lack of correlation? • How do patterns affect your life? |
| **Mini Lesson:**  Check homework  **Activating Strategies:**  Check your understanding  Lesson: Chapter 2 Review  Notetaking guide  **Resource/Materials:**  Textbook, calculator, powerpoint, notetaking guide | **Mini Lesson:**  Check homework  **Activating Strategies:**  Check your understanding  Lesson: Chapter 2  Practice Test  **Resource/Materials:**  Textbook, calculator, powerpoint, notetaking guide | | **Mini Lesson:**  Check homework  **Activating Strategies:**  **Frappy Chapter 2**  Lesson: More Practice CH.2  **Resource/Materials:**  Textbook, calculator, powerpoint, notetaking guide | **Mini Lesson:**  Check homework  **Activating Strategies: Answer questions.**  Lesson: TEST Chapter 2  **Resource/Materials:**  Textbook, calculator, TEST powerpoint, notetaking guide | **Mini Lesson:**  Give back test  **Activating Strategies:**  A: CSI Stats: The Case of the Missing Cookies Correlation & Regression Applet  **LESSON:** 3.1 Scatterplots & Correlation  **Resource/Materials:**  Textbook, calculator, powerpoint, NTG |
| **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment:* | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment* | | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment* | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment* | **Differentiation:**  *Content/Process/Product:*  *Grouping Strategy:*  *Assessment* |
| **Homework:**  Chapter 2 Review all | **Homework:**  Chapter 2 practice Test | | **Homework:**  Extra Practice | **Homework:**  Read Section 3.1 | **Homework:**  HW: 1, 5, 7, 11, 13, 14- 18, 21, 26, 27-32 |

Resources and Reflective Notes: