**ARC Week at Glance**

**Subject: Math Course: A.P. Statistics Grade: 11th – 12th Dates: 10/28 – 11/1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **AP Standard ID**: Analyze Bivariate Quantitative Data with Least-squares Regression Lines, Residual plots, Outliers, and Influential Points.  **Assessment(s):  Quiz  Unit Test  MML  Lab  FRQ** | | | | | | |
|  | **Learning Target**  **(I am learning about…)** | **Criteria for Success**  **(I can…)** | **Opening**  *(10 - 15 Mins)* | **Work-Session**  *(20 - 25 mins)* | **Closing**  *(5 - 10 mins)* | **Literacy Tasks/Focus** |
| *(Include at least one/two formatives\*in any part of the lesson as needed)* | | |
| **Monday** | I am learning about how to analyze and describe bivariate quantitative data. | I can analyze bivariate quantitative data with Least-Squares Regression Lines, residual plots and correlation. | Return graded Chapter 7 Quiz and share exemplars | FRQ #5 from **2011**  and model exemplars and AP Scoring Rubric. | FRQ #5 from **2015** with partner. | Justify responses, in context! |
| **Tuesday** | **PSAT** |  |  |  |  |  |
| **Wednesday** | I am learning about extrapolation and regularity with linear models. | I can determine whether my model does a good or poor job of making predictions. | See Figure 8.3 and describe the shape of the histogram | Notes with guided practice & modeling for Chapter 8: Regression Wisdom pages 205 – 209 | Come up with phenomena that have regularity and those that don’t.  MML Chapter 8 due Friday | Describe the distribution of the residuals in Figure 8.3 |
| **Thursday** | I am learning about outliers in bivariate quantitative distributions. | I can identify high leverage points and influential points in scatterplots. | Complete “For Example” page 209 in notes | Notes with guided practice & modeling for Chapter 8: Regression Wisdom pages 209 – 212 | Read definitions and hints for identifying high leverage or influential points | Explain what went wrong in opener. |
| **Friday** | I am learning about outliers in bivariate quantitative distributions. | I can identify high leverage points and influential points in scatterplots. | Complete “Just Checking” page 212 in notes | Notes with guided practice & modeling for Chapter 8: Regression Wisdom pages 210 – 218 | Read definitions and hints for identifying high leverage or influential points | Compare & contrast high leverage points and influential points |

**\*** Exit Ticket/Final Stretch Check  Electronic Tools  Dry Erase Boards – quick checks  Turn & Talk Discussion (verbal responses)  Teacher Observation – document Clipboard

Quick Write/Draw  Annotation  Extended Writing  Socratic Seminar  Jigsaw  Thinking Maps  Worked Examples  Other : \_\_\_\_\_\_\_\_\_\_\_