**ARC Week at Glance**

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

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| **AP Standard ID**: Analyze Bivariate Quantitative Data with Least-squares Regression Lines, Residual plots, Outliers, and Influential Points.**Assessment(s):** [x]  **Quiz** [ ]  **Unit Test** [x]  **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 [x]  Electronic Tools [ ]  Dry Erase Boards – quick checks [x]  Turn & Talk Discussion (verbal responses) [x]  Teacher Observation – document Clipboard

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