

# ARC Week at Glance

**Subject:** Math

**Course:** A.P. Statistics

**Grade:** 11<sup>th</sup> & 12<sup>th</sup>

**Date:** 8/6 – 8/9

**Standard IA:** Students will be able to construct and interpret graphical displays of distributions of univariate data.

**Standard IB:** Students will be able to summarize distributions of univariate data.

**Standard IC:** Students will be able to compare distributions of univariate data.

**Assessment(s):** ☐ Quiz ☐ Unit Test ☒ Project ☐ Lab ☐ None

|           | Learning Target<br>(I am learning about...)                | Success Criteria<br>(I can....)      | Opening<br>(10 - 15 Mins)                                                           | Work-Session<br>(20 - 25 mins)                                                                                | Closing<br>(5 - 10 mins)                                                                                                                                 | Literacy<br>Tasks/Focus                                                                            |
|-----------|------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|           |                                                            |                                      | (Include at least one/two formatives*in any part of the lesson as needed)           |                                                                                                               |                                                                                                                                                          |                                                                                                    |
| Monday    |                                                            |                                      |                                                                                     |                                                                                                               |                                                                                                                                                          |                                                                                                    |
| Tuesday   | I am learning how to display quantitative univariate data. | I can construct a <b>dot plot</b> .  | Fill in our dot plot with the # of states you have visited.                         | Discuss expectations and go over syllabus.<br>Make some observations about our data and share with a partner. | Begin constructing a dot plot to display highway gas mileage for midsize cars.<br><i>*First Week Project due 8/14</i>                                    | Write down what the data shows and share with a peer.<br>A few may share with class-communication. |
| Wednesday | I am learning how to display quantitative univariate data. | I can construct a <b>stem plot</b> . | Arrange # of runs data from small to large for each league using your MLB data set. | Construct a back-to-back stem plot to display the # of runs in National and American Leagues.                 | Begin constructing a back-to-back stem plot to display literacy rates in Islamic nations among males and females.<br><i>*First Week Project due 8/14</i> | Write down what the data shows and share with a peer.<br>A few may share with class-communication. |
| Thursday  | I am learning how to display quantitative univariate data. | I can construct a <b>boxplot</b> .   | Find the five-number summary for lengths of the top 20 movies in 2011.              | Construct a box plot of the lengths of the top 20 movies in 2011.                                             | Begin constructing a boxplot to display %'s of teen marijuana uses in European countries.<br><i>*First Week Project due 8/14</i>                         | Write down what the data shows and share with a peer.<br>A few may share with class-communication. |
| Friday    | I am learning how to display quantitative univariate data. | I can construct a <b>histogram</b> . | Construct a box plot of the # of at bats using MLB data.                            | Construct a histogram to display the top speeds of roller coasters in California.                             | Begin constructing a frequency chart and histogram to display age of U.S. Presidents' age at inauguration.<br><i>*First Week Project due 8/14</i>        | Write down what the data shows and share with a peer.<br>A few may share with class-communication. |

\*☒ 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 : \_\_\_\_\_