| AGI | Regal Coller | Week of 1-16-17 (Q2, W8) |

Date:	Classwork:	Homework:
Monday 1-16	**No School--MLK Day**	
Tuesday 1-17	**No School--Slip & Slide Roads Day**	
Wednesday 1-18	**PSAT Hours 1-5**	
Thursday 1-19 **See All Classes**	**Focus Questions: (Learning Targets)** → From a scatter plot, how do you know if a linear model is a good fit and whether or not the relationship is positive or negative? → What does a correlation coefficient of 1, 0, or -1 suggest to you about the relationship between two variables? ❏ **Check and correct TWMM ACE4 #103, 17-19** **TWMM Investigation 4** **Formative Assessment Tasks** ❏ TWMM 4.2 A-C, Pages 84-86, with Labsheets ❏ Vocabulary: correlation coefficient foldable ❏ TWMM 4.3 A-E, Pages 87-89, with Labsheets	**Required assignments:** ❏ **Complete any work not completed in class.** ❏ Pages 98-100 #4-7, Labsheet for #5. **Assignments due on Friday.** **AGI Midterm Exam--Tuesday, Jan. 31**
Friday 1-20 **See All Classes**	**Focus Question: (Learning Target)** → How can you estimate correlation coefficients for different scatter plots whether created by you or others? ❏ Check & correct TWMM ACE #4-7 **TWMM Investigation 4: Formative Assessment Task** ❏ Go to GClassroom to complete an online exploration of correlation coefficients, finding equations for lines of best fit and using linear models to make predictions **Data About Us: Summative Assessment Task** ❏ Data About Us Summative Assessment Project Make-up Summary in GClassroom	**Required assignment:** ❏ Complete any work not completed in class. **Assignments are due Tuesday.** **AGI Midterm Exam--Tuesday, Jan. 31**

Math Standards:
8.SP.A.1 Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.
8.F.B.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or two from two values. Interpret the rate of change and initial value of a linear function in terms of the situation it models.

Math Practices:
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Attend to precision.

Success Criteria:.
- Students can determine if new data pieces would "fit" with the other data.
- Students can identify a positive, negative, or no correlation given a set of data.
- Students can identify and explain a correlation coefficient of -1, 0, or 1.

Additional Web Resources:
- Interpreting the slope and y-intercept for a line of best fit (practice)
  https://www.khanacademy.org/math/probability/scatterplots-a1/estimating-trend-lines/e/interpreting-slope-and-y-intercept-of-lines-of-best-fit
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Online Textbook Link: http://mymathuniverse.com/cmp3
  Click "Log in to Student Place"
  Enter Username: lasfir21 & Password: D2001_ _ _ _