



June PD Institute, 6/9-13, 2014

Session Title: Statistics Unit - Correlations Part 1

Presenter(s): Ron Weiss

Workshop Description:

This three-part series will walk you through the Statistics Unit for Algebra I. Developed by Gregg Whitnah, this two-week unit includes everything you need to meet the new CCSS content for statistics in Algebra I.

Objectives:

What: Represent data on two quantitative variables on a scatter plot, and describe how the variables are related.

Interpret the slope (rate of change) and the intercept (constant term) of a linear model in the context of the data.

Compute and interpret the correlation coefficient of a linear fit

Distinguish between correlation and causation.

How: Scatter plots, correlation coefficient, and least square regression equations will be demonstrated and calculated using appropriate technology (TI-83, classroom ready smart board slides, and

Common

Core calculators)

Resources:

Handouts and lessons will be provided and available on the district shared sites