

Understanding and Teaching the CCGPS Statistics and Probability Standards for Middle and High Math Teachers

with

Dr. Christine Franklin

March 15, 2012

CSRA RESA is pleased to bring you ***Understanding and Teaching the CCGPS Statistics and Probability Standards for Middle and High Teachers!*** This workshop is being instructed by Dr. Christine Franklin, Senior Lecturer and Undergraduate Coordinator in Statistics at the University of Georgia. Dr. Franklin is a noted textbook author and has had an enormous influence in mathematics education nationally, in particular with the Common Core Statistics Standards

This exciting hands-on training will cover the following topics:

- Why statistical literacy and statistics in the math curriculum
- The difference in statistical thinking and mathematical thinking
- Survey: Types of data – the difference between categorical and quantitative (numerical) data
- Activity: The evolution of the mean and variation from mean (MAD and standard deviation)
- Activity: The Gettysburg Address – simulation, sampling distribution, and CLT
- Activity: Which Line is it Anyway? Compare: eyeballing a fitted line, med-med line, and least squares regression line
- Activity: Categorical data and contingency tables – how does this relate to probability?
- For all the activities above, match the statistical concepts and ideas covered with the CCGPS
- Most of the CCGPS statistics standards will be covered in these activities for middle and high school

Registration Information

Date: March 15, 2012

Time: 9:00 a.m. – 4:00 p.m.

Location: CSRA RESA

Audience: All Middle and High School Math Teachers

Cost: \$50.00 per person – includes lunch and materials

**No cost to schools served by the Math Mentor Grant. Schools being served by the grant are listed below:

- Glascock County Consolidated
- Emanuel Count Institute
- Jefferson County High School
- Jenkins County High School
- Swainsboro High School
- Taliaferro County School



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Registration: Please register online at www.csraresa.org by February 15, 2012
Registration will be taken on a first come, first serve basis

PLEASE NOTE: All participants are asked to bring TI83-84 Calculators