



## Cutting to the Common Core: Statistics and Probability High School

July 30, 31, August 1, 2014

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Are you looking for help in understanding and implementing the Common Core Standards' Statistics and Probability for high school? The Center for Mathematics and Science Education, Teaching and Technology is offering two summer workshops on statistics and probability for grades 6-8 and 9-12.

### The workshop topics will cover these high school topics:

- Interpreting Categorical and Quantitative Data;
- Focusing on graphing univariate distributions, measuring center and spread of data distributions, identifying outliers, Normal distribution; bivariate distributions – two-way tables for categorical data, fitting function to numerical data with emphasis on linear, quadratic, and exponential models, correlation and causation;
- *Making Inferences and Justifying Conclusions*;
- Using simulation to determine the suitability of a specified model, randomization tests for medians, means, and proportions, making inferences and justifying conclusions from sample surveys, observational studies, and experiments;
- Conditional Probability and Rules of Probability (non-Stem topics).

Receive a copy of *Making Sense of Statistical Studies*, a publication of 15 classroom-ready activities on surveys, observational studies, and experiment including lots of resources and classroom-ready activities.

**Location:** All summer sessions run from 8:30 am until 3:30 pm and are held on the campus of John Carroll University.

**Cost:** The cost for the 2 day workshop and all materials is \$195 per person. Lunch Included. Early registration is encouraged.

**Non-degree graduate credit (optional):** 1 credit hour @ \$160 per hour. More information on graduate credit will be offered on the first day of the course.

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Statistics and Probability  
High School***  
July 30, 31, August 1, 2014  
8:30-3:30

**PLEASE PRINT**

Name: \_\_\_\_\_

School: \_\_\_\_\_ District: \_\_\_\_\_

Home Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_

Work Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email address: \_\_\_\_\_

What is your current position? (ex. Algebra 1 teacher, middle school teacher, curriculum specialist, etc.): \_\_\_\_\_

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Mail this completed registration form with a check for \$150 for the High School workshop payable to "**John Carroll University**"

or send a school purchase order to:

**John Carroll University  
c/o CMSETT  
1 John Carroll Blvd.  
University Heights, OH 44118**

or fax the registration form with a purchase order to 216.397.4544.

Upon receipt of your application and payment, you will receive an email confirmation of your registration. In May 2014, you will receive another email with workshop details. Please contact The Center for Mathematics and Science Education, Teaching and Technology at John Carroll University if you do not receive this information (216.397.4575) within 10 days of your application.

Note: Registration fee is not refundable after June 1, 2014, however you may transfer your registration to another person at the same grade level.