
DATA ANALYSIS FOR SCIENCE FAIR PROJECTS

Saturday, December 5, 2009

10:00 am– 3:00 pm*

Arizona State University

Tempe Campus

Student Memorial Union – Room 207

A workshop for high (and middle) school teachers and their students who want to learn more about data analysis, statistical methods, and data presentation techniques for improving science fair projects.

Sponsored by

The American Statistical Association,
Arizona Chapter (www.amstat.org/chapters/azchapter/)
Arizona State University,
School of Mathematical and Statistical Sciences
W. P. Carey School of Business

In cooperation with

Arizona Science and Engineering Fair
Southern Arizona Regional Science and Engineering Fair

THE PRESENTERS

Dr. Dennis Young

Professor of Statistics
School of Mathematical and Statistical Sciences
Arizona State University

Dr. Jeffrey Wilson

Professor of Statistics & Biostatistics
W. P. Carey School of Business
Arizona State University

DIRECTIONS TO ARIZONA STATE UNIVERSITY

<http://www.asu.edu/map/interactive/>

*45minus lunch break, please do lunch on your own.

THE WORKSHOP

So you're planning your science fair project, identifying the hypotheses, planning your experiments (with replication, of course!), and anticipating your data.

Statistics can play a role both in the design and the analysis for your experiment. Planning a careful study, analyzing the data, critically evaluating the hypotheses, and preparing the results for presentation can all be rewarding parts of your project.

At this workshop, you will learn about the nature of uncertainty in experimentation, and how to plan for it, measure it and account for it in interpreting your results. You will learn about statistical methods for comparing data and testing your hypotheses. You will see examples and learn how to present your data accurately and effectively.

There is no math prerequisite for this workshop. What you learn here will enable you to explore these tools and techniques on your own, at your own level.

Whether this is your first project or you are a veteran researcher, this workshop will be a great opportunity. The reward is a more complete and convincing science fair project.

REGISTRATION

There is no charge to attend this workshop, but pre-registration is required. To register, please email your name, school, and grade level to:

Sherri.Kou@Bannerhealth.com

Confirmed registration due by **November 25, 2009**.
For further information call: (602) 747-4876



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