NCSSM Workshop on Experimental Design  
(July 25-30, 2004)  
The North Carolina School of Science and Mathematics  
Durham, NC

The mathematics faculty of the North Carolina School of Science and Mathematics will be offering a one-week summer workshop (July 25-30) on Experimental Design aimed at teachers who have taught the AP Statistics course for at least one or two years.

Experimental Design has always been a difficult topic in the AP statistics curriculum, even for more experienced teachers. In part this is because, while the issues of experimental design are generally introduced early, they cannot be fully understood by students until the students have studied some inference procedures. The design of experiments cannot be separated from the analysis of the experiment; by the end of the course, students should think of the two topics of design and analysis together as one unit.

This workshop is a “beyond the AP” workshop, since the content may not necessarily be taught to your students. That is also why it is probably not well suited to beginning (1st year) teachers, since we will assume you have experience with the components of Experimental Design and Survey Sampling in the AP syllabus. We believe that having a deeper understanding of these issues will allow you to teach this section of AP Statistics more comfortably and confidently. The workshop will provide you with examples and activities for use in class.

Participants will receive a school site-license for JMP-INTRO and learn how to use it for teaching AP Statistics. The students can even put it on their home computers for the year they take Statistics. (It will become inactive after a year on their home computer but can be reinstalled yearly on the school computers.)

The classes will be taught by Floyd Bullard and Dan Teague, with the support of Gloria Barrett and Carol O'Dell (all of whom are members of the NCSSM mathematics department). Linda Young (University of Florida) and Jackie Dietz (NC State University) will be resident statisticians who will share their experiences and help answer your questions about how experimental design issues arise and are resolved in practice.

Through the generous support of SAS Institute (creators of JMP-INTRO) the workshop can be offered for a cost of $250. This includes room and board, software, text and other instructional materials, and instruction. Participants will live in the NCSSM dorms (single rooms, but shared bathroom) and will have computer access through the NCSSM network and computer labs. Space is limited, so please apply early. If you have questions about the program, please contact Dan Teague at teague@ncssm.edu.

I hope you can make it to NCSSM this summer. To apply for the workshop, fill out the form below and mail to Dan Teague  
NCSSM Summer Statistics Program  
1219 Broad Street  
Durham, NC 27705  
or e-mail to [teague@ncssm.edu](mailto:teague@ncssm.edu) You will be contacted about payment of the $250 fee.
**NCSSM Workshop in Experimental Design**  
**July 25-30, 2004**  
**The North Carolina School of Science and Mathematics**  
**Durham, NC**

Name _______________________________  
First Name ___________________  
Middle Initial ____________  
Last Name _______________________________

Gender  
Male    Female

e-mail address _______________________________

Home Address ______________________________________________________

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Home Phone ____________________________

School Name ______________________________________________________

School Address ______________________________________________________

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Total Years of Teaching Experience _______  
Total Years Teaching Statistics _______

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Size  
under 500  
500-1000  
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over 2000

Complete and mail this Registration Form to:

Dan Teague  
NCSSM Summer Statistics Program  
1219 Broad Street  
Durham, NC  27705

or e-mail to: teague@ncssm.edu