

Integrating Statistics into the Algebra/Geometry Curriculum

A THREE DAY SUMMER WORKSHOP FOR HIGH SCHOOL MATH TEACHERS

July 21 - 23, 2009

8:00 a.m. - 3:00 p.m.

Washington High School, Washington, MO

Sponsors: *ASA/NCTM Joint Committee on Curriculum in Statistics & Probability*
Washington High School Mathematics Department

This workshop presents an exciting opportunity for Algebra and Geometry teachers to acquire background knowledge in key statistical topics found in the state and national standards. In addition, participants will learn how to integrate these statistical ideas into concepts traditionally taught in high school algebra and geometry courses.

The focus of the workshop will be two-fold: 1) to enhance participants' understanding of data analysis and probability, and 2) to provide examples and activities which illustrate key topics in statistics by using data to introduce concepts such as slope of a line, solving a system of equations, linear regression, curve fitting and finding centers.

Participants will also be provided with experiences in the use of technology as a tool for learning mathematics. The TI-84 family of graphing calculators will be used throughout the workshop.

Promising to offer a rich and enjoyable experience filled with classroom ready applications, we hope to see you in July!

Presenters: *Pat Hopfensperger and Henry Kranendonk*



Pat Hopfensperger has been teaching high school mathematics for the past 35 years at Homestead High School in suburban Milwaukee, Wisconsin. Pat has been very involved in statistics education since the late 1980's. He was a Quantitative Literacy lead instructor. He is a co-author of the Data Driven Mathematics Series. In addition, Pat has

been very involved in the T³ organization and has conducted workshops on statistics throughout the country. He has an amazing ability to make his workshops professional, productive and fun. Pat is currently a member of the ASA/NCTM Joint Committee on Curriculum in Statistics and Probability and a member of the GAISE activities writing team.

Henry Kranendonk, began his teaching career as a mathematics and computer science teacher over 37 years ago. He is now a Mathematics Curriculum Specialist for the Milwaukee Public Schools and Co-Principal Investigator for the Milwaukee Mathematics Partnership, a project funded by NSF. Henry's publications include high school math textbooks and professional publications involving high school projects in data analysis and modeling. He has served for over 20 years as an assistant examiner for the International Baccalaureate Program, having conducted IB workshops in the US, Europe and Africa. Henry was recently assigned to the National Assessment Governing Board (NAGB) that oversees the operations of NAEP and the publications of the National Report Card.



COST: \$229 Includes: Registration fee; GAISE report; Handouts; Daily lunch, breakfast breads & fruit, drinks, snacks
Optional one hour grad credit available through Lindenwood University - paperwork completed and \$60 fee paid during workshop.

For additional information contact: Connie Lutz, Workshop Coordinator, by email: connie.lutz@washington.k12.mo.us or call 573-301-0256

Registration deadline: June 15, 2009 or until workshop fills.

Online registration with credit card payment accepted at: <http://www.amstat.org/education/washmo>

Or complete this registration form and return to: **Connie Lutz, Washington High School, 600 Blue Jay Dr, Washington, MO 63090**

Name: _____ School: _____

Home Address: _____

Email Address: _____ Phone: _____

Method of payment: Check payable to Washington High School in the amount of \$229 enclosed

PO in the amount of \$229 attached

For planning purposes only, please indicate if you are interested in graduate credit.

Confirmation will be sent upon receipt of payment. Further details will be sent to all registrants prior to the workshop dates.