Statistics Workshop: Making Decisions with Data  
July 29 – July 31, 2105  

Presenters: Chris Olsen and Shonda Kuiper

Chris Olsen was a teacher of AP* Statistics for nine years at George Washington High School in Cedar Rapids, Iowa. He was twice a member of the AP* Statistics Test Development Committee, question leader and table leader for AP* Statistics. Currently, he is an Educational Testing Service (ETS) consultant for AP* Statistics nationwide, AP* Statistics Community moderator, and is teaching statistics and experimental design at Grinnell College.

Shonda Kuiper is an Associate Professor of Statistics at Grinnell College. She served in leadership roles for the Iowa Chapter of the ASA, the Isolated Statisticians and as chair for the ASA/MAA Joint Committee on Undergraduate Statistics. Dr. Kuiper received three National Science Foundation grants which lead to her textbook, *Practicing Statistics: Guided Investigations for the Second Course*. She also developed multiple investigative activities using Web-based games that teach statistical thinking and the process of scientific inquiry. This work has led to the creation of *Stat2Labs*, an educational website that earned a MERLOT Classics Award in 2012.

Grinnell College offers an intensive three day teacher-training workshop for AP Statistics and undergraduate introductory statistics teachers. We will build upon the topics in the AP statistics curriculum, providing multiple investigative activities that bridge the gap between short, focused homework problems and the open-ended nature of a real-world problem.
In this workshop we will provide:

- Instruction that stretches slightly beyond what is taught in the introductory statistics and AP Statistics curriculum. We will discuss activities for simple linear regression and hypothesis tests, then extend to randomization methods and cases with multiple variables.
- Multiple examples of investigative, inquiry-based case studies that instructors will be able to incorporate within their own statistics courses.
- Access to a supportive working community that will communicate through an email list serve as well as through online monthly meetings as they teach their courses with these new materials.

Extending beyond the workshop: In addition to the three-way workshop, monthly online small group meetings will be held to assist instructors with timely materials as they teach through the AP and college level introductory statistics courses during the academic year. During these meetings, participants will share strategies, lesson plans and experiences with their colleagues.

Costs includes 30 hours of instruction, training materials, faculty handouts, morning breaks, and lunch.

- $150 Early registration - If payment is received on or before May 15, 2015
- $250 If payment is received after May 15, 2015

Due to generous donations by Grinnell College Board Chair Clint Korver and his spouse Miriam Rivera as well as the American Statistical Association, this workshop is offered at dramatically reduced costs. If further financial assistance is needed, grants are available.

To register go to: https://camperregsecure.com/grinnell/

Location
The workshop will be held at Grinnell College. Since its founding in 1846, Grinnell has become one of the nation's premier liberal arts colleges, enrolling 1,600 students from all 50 states and from as many international countries. Grinnell's rigorous academic program emphasizes excellence in education for students in the liberal arts; the college offers the B.A. degree in a range of departments across the humanities, arts and sciences. Grinnell has a strong tradition of social responsibility and action, and self-governance and personal responsibility are key components of campus life. More information about Grinnell College is available at www.grinnell.edu.

Campus maps and directions: http://www.grinnell.edu/about/visit/maps

Refunds - A $50 administrative fee will be charged for refund requests received by July/1/15. A $100 administrative fee will be charged for refund requests received after July/1/15.