

Diverse Undergraduate Research Experiences in Statistics: New NSF REU Sites Administered Through the ASA

Mark Daniel Ward (PI, Purdue University)

Donna LaLonde (American Statistical Association)

Jessica Utts (Co-PI, University of California, Irvine)

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- * support for 9 new Research Experience for Undergraduates (REU) Sites
- * 3 sites for summer 2016 (already selected)
- * 3 sites for summer 2017 (deadline for faculty: August 15)
- * 3 sites for summer 2018
- * 4 students and (at least) 2 faculty mentors per site

Overview of ASA REUs

- * invigorating the undergraduate research community in Statistics
- * students conduct Statistics research for 10 weeks
 - * investigate complex data sets
 - * varied scientific and engineering disciplines welcome
 - * Statistics / Data Analysis should play a key role

Recruitment

- * Recruitment will target (but not be limited to)
 - * women,
 - * minorities, and
 - * persons with disabilities.
- * Supported students must be U.S. citizens, nationals, or permanent residents

Expected Outcomes

- * Greater number of students who are well prepared for graduate study in statistics
- * Influence on the students' career choices
- * Significant interdisciplinary component (welcome and encouraged but not required)
- * Students see that Statistics has an impact on engineering, atmospheric science, health care, public policy, etc....

Summer 2016 ASA REUs

- * SPIRAL at Morgan State University, coordinated by Monica Jackson
- * The goal of the Summer Program in Research and Learning (SPIRAL) is to provide a mentoring structure for under-represented minorities and women that promotes active engagement in mathematics and statistics.
- * Spatial Statistics:
 - * Students will investigate methods for detecting clusters and global clustering patterns.

Summer 2016 ASA REUs

- * SDAL DSPG at Virginia Tech, coordinated by Sallie Keller and Stephanie Shipp
- * The Social and Decision Analytics Laboratory (SDAL)
- * Data Science for the Public Good (DSPG) REU
- * Interface of data analytics and understanding (modeling) the social condition quantitatively at scale

Summer 2016 ASA REUs

- * Stat REU at Lamar Univ., coordinated by Kumer Das
- * summer research in the fields of
 - * Big Data analytics,
 - * data dimension reduction,
 - * text mining, and
 - * image processing

Applications

- * Faculty submit a program description by August 15, 2016, to start an REU for summer 2017.
- * We offer feedback from our team of investigators.
- * We can give feedback, before the submission deadline!
- * Please write to REU@amstat.org for more information.

More Information

- * See recent article in Amstat News (April 2016, p. 20-21)
- * <http://magazine.amstat.org/blog/2016/04/01/asareu16/>
- * Please write to REU@amstat.org for more information.
- * Many thanks to NSF for financial support!