

**AMATYC/ASA Joint Committee Conference Call**  
**Wednesday, October 15, 2014**  
**7:00 – 8:10 PM EST**

Present: Mary Kehoe Moynihan (Chair), Mary DeHart, Bob delMas, Julie Hanson, Kate Kozak

Recorder: Mary DeHart

***Stat Ed Mentoring Project***

Michael Posner of Villanova is recruiting mentors from the stat ed community to mentor new community college statistics instructors. The grant funded program will run for two years, beginning in the fall of 2015. At present, it is centered about the geographical hubs of Los Angeles and Philadelphia; two additional hubs are to be added. Mary KM contacted Michael Posner in order inquire whether the project needs additional mentors and/or new instructors. She received an initial brief response and is waiting to be contacted with more information.

***Webinars***

The first AMATYC/ASA sponsored webinar, *Graphical Representation of Data* will be presented by Roxy Peck at noon Pacific Time on Monday, December 8<sup>th</sup>. Roxy has submitted an abstract to Jon Oaks, AMATYC Professional Development Coordinator; plans are moving forward.

Mary D. recently saw an excellent presentation, *Using Real World Data in the Introductory Statistics Course* at the fall meeting of MATYCNJ, the NJ AMATYC affiliate. The presenter expressed her willingness to present our second webinar, which will most likely be scheduled for February. Bob delMas has agreed to present a webinar on assessment in the spring.

***AMATYC Conference in Nashville***

The AMATYC Statistics Committee is sponsoring a panel discussion, *Changing Trends in Undergraduate Elementary Statistics Education* to be presented from 11:30 – 12:20 on Thursday, November 13<sup>th</sup>. At Mary D's request, the Committee discussed the prioritization of the list of topics. It was agreed that it would be wise to select a short list of the most relevant topics in order to allow time for questions from the audience and to save the discussion of pre-requisites until the end of the presentation.

The AMATYC/ASA Joint Committee will meet from 4:30 – 6:00 PM in the Magnolia Board room, also on Thursday, November 13<sup>th</sup>. Mary KM would like the topic of the Joint Committee's new initiative to be the main focus of the meeting. The new initiative will

aim to increase communication between working statisticians and community college math faculty. One objective of the initiative will be to make qualified local statisticians aware of opportunities to teach as community college adjuncts.

We will be exploring Rebecca Nichols' suggestions that the AMATYC/ASA Joint Committee consider the following actions in order to maximize the national impact of the initiative:

- Reach out to local chapters of the ASA in order to recruit statisticians to serve as adjuncts and to provide presentations for stat classes;
- Write an article for the Amstat News;
- Ask to address the Council of Chapters meeting at the 2015 JSM in Seattle;
- Apply for an ASA Initiative Grant (proposals due by February 3rd) in order to provide honoraria for guest speakers; reimburse them for travel costs, etc.

### ***Shonda Kuiper's NSF Grant***

At the 2014 JSM, Mary D. attended Shonda Kuiper's discussion of an NSF grant to create online labs to improve student understanding of statistical concepts. (Shonda is chair of the ASA/MAA Joint Committee.) Shonda provided the following information via e-mail:

Three labs are being tested during the Fall 2014 semester

#### 1. Statistically Grounded

(<http://web.grinnell.edu/individuals/kuipers/stat2labs/CoffeeTruck.html>):

Understanding p-values when the null hypothesis is not true. In this game students try to determine which location will optimize sales. While statistical power is not directly discussed in the lab, there are multiple readings and a video that lead to very good in-class discussions about the reliability and reproducibility of a statistical hypothesis test.

#### 2. TigerSAMPLING: Simple Linear Regression

(<http://web.grinnell.edu/individuals/kuipers/stat2labs/tigersampling.html>) This is a three dimensional game where students collect data and explore models for estimating the age of a Siberian tiger. In this game, students act as researchers on a national preserve where they are expected to catch tigers, collect data, analyze their data (using the simple linear regression on transformed data), and draw appropriate conclusions.

#### 3. TigerSAMPLING: Sampling Bias

(<http://web.grinnell.edu/individuals/kuipers/stat2labs/tigersampling.html>) This game focuses on how data is collected in six distinct regions. These regions can create bias

within the datasets. This lab is distinct from the simple linear regression lab. However, for the NSF class testing we ask that you complete the TigerSAMPLING: Simple Linear Regression lab before using this lab.

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All three labs are designed to be accessible for introductory statistics classes. However, all three can also be used in more advanced classes because they lead to discussion of more advanced topics, such as power, sampling bias, and multiple regression.

Feel free to email Shonda at [KUIPER@Grinnel.EDU](mailto:KUIPER@Grinnel.EDU) if you have any questions. Even if you are not officially part of the class testing, you are welcome to use the on-line materials