

AMATYC/ASA Joint Committee Conference Call
Meeting Minutes
October 12, 2017
7:00 – 8:00 PM Eastern

Present: Rob Gould, Chair; Julie Hanson, Kate Kozak, Brian Kotz, Rebecca Nichols, Wendy Pogoda, Mary DeHart

Recorder: Mary DeHart

1. 2017 AMATYC Conference

The 43rd AMATYC Annual Conference will be held in San Diego from November 9th through November 12, 2017.

- A Themed Session, *Data Science and the Introductory Statistics Course*, sponsored by the AMATYC Statistic Committee, will be held from 9:10-11:05 AM on Thursday, November 9th.
- The AMATYC/ASA Joint Committee will meet from 4:30 – 6:00 PM on Thursday, November 9th, in Nautilus 4.
- The AMATYC Statistics Committee will meet from 4:00 – 5:30 PM on Friday, November 10th.

2. A Statistics Workshop for the 2018 AMATYC Conference

The AMATYC Statistics Committee is planning to sponsor a workshop at the 2018 AMATYC Conference in Orlando. Chair Julie Hanson shared the following list of topics suggested by AMATYC Statistics Committee members:

1. Workshop on creating inquiry-oriented activities for statistics courses
2. Experiments for the college classroom
3. Hands on activities
4. Efficacy of co-requisite model of teaching statistics (teaching statistics with support)
5. Review of the recent statistics education research
6. How do researchers choose a sampling method (basic guidelines we could share with students if they want to do their own study) when simple random is out of the question? Not just a definition of the types of sampling, but what is being done practically.

7. A discussion about what to show students how inferential results are affected when we use other acceptable (but not perfectly random) sampling methods.
8. Using statistical software in the Introductory Statistics classroom
9. Training workshops for new advancement on technology use in statistics classrooms

It was decided that a workshop on “*Experiments for the College Classroom*” would be helpful to many introductory statistics instructors. Rob will check to see if Daniel Kaplan would like to present the workshop.

Topic 4, The efficacy of co-requisite model of teaching statistics (teaching statistics with support), prompted much discussion. Julie will add this topic to the agenda of the AMATYC Statistics Committee Meeting in San Diego.

3. Joint Committee Sponsored Webinars

Tom Short’s webinar, *Multiple Regression: From the Familiar to the Multi-Dimensional*, will be presented in February of 2018. The following updated abstract was reviewed and approved via email.

Abstract: This webinar will review simple linear regression as a familiar foundation, upon which multiple regression models are built. The presentation is intended for statistics instructors who have experience teaching simple linear regression and who would like to learn more about multiple regression. Model structures will be explored, including polynomial models, multiple independent variables, categorical predictors, and interaction. Tests and diagnostics specific to and particularly useful for multiple regression will be introduced. Real (or realistic data) will be used throughout.

2nd Webinar – Rob suggested a review of the recent statistics education research for the second webinar of 2018 and recommended Christine Franklin, the inaugural K-12 ASA Statistical Ambassador as the presenter.

3rd Webinar - The Joint Committee selected the 6th topic from the list provided by AMATYC Statistics Committee members as the next webinar topic. Wendy will suggest a presenter for “*How do Researchers Choose a Sampling Method?*”

4. Report from the Data Science Sub-committee – Brian Kotz

Brian’s college, Montgomery College, has a two-year data science program. Brian has compiled a list of ten two-year colleges that have developed data science programs. Data science programs may be regarded as business programs or a computer programs, rather than as a statistics programs, but people would like to get together to have a voice. This is an opportunity for AMATYC to take the lead. Brian has provided a document; a rationale for AMATYC having a Data Science Sub Committee so that we can

be leaders in two-year college programs in data science. He will present the idea of a Data Science Subcommittee at the AMATYC Statistics Committee meeting in San Diego.

A group will meet to discuss data science at 2:15 PM on Saturday, November 11th. If the AMATYC Statistics Committee has voted in favor of the subcommittee, this will be considered an AMATYC Data Science Subcommittee meeting.

Rob suggested applying for an ASA Strategic Initiative Grant to provide an opportunity for the Joint Committee to work with the goal of enhancing AMATYC's role. The ASA Strategic Initiative Grant has February 1st deadline.

5. Request to add a website to the AMATYC Statistics Committee Resource Page

The Joint Committee reviewed a private request to add the following link to the AMATYC Statistics Committee Resource Page:

<https://sites.google.com/site/phanyamada/Home/teaching/statistics> (Tuyetdong Phanyamada)

It was noted that the AMATYC Statistics Resource Page includes only links to sites of professional organizations that present vetted material on their sites. Julie will refer the proprietor of the site to CAUSE and/or the MERLOT Statistics Portal.