SANTA ANA COLLEGE

PART III: SAC Conference Summary

Name: Richard Corp

Date: November 9-12, 2017

Conference Title: AMATYC Annual Conference 2017, San Diego

Conference Sponsoring Organization: AMATYC

Conference Description
This year's conference theme "Have a Prime Time" and has a goal to provide high quality professional development, to advocate and collaborate at all levels, and to build communities of learners for all involved in mathematics education in the first two years of college.
Summary – One Full Page: Please describe the benefits to Student Success & Equity that you gained by participating in this event. How will you disseminate/share this information with your SAC colleagues?
I decided to focus on presentations on Statistics because as a co-coordinator I was to share new ways of instruction. I was also able to present at this year's conference on "Changing Statistics". I shared my strategies for implementing GAISE standards into my classes, demonstrated active learning techniques to use in the class, and took questions. This presentation allowed me to exchange ideas with fellow Statistics instructors on ideas for future projects and activities. On Friday 11/10 I also attended a presentation on Social Issues in Statistics and was given ideas on how to increase equity in our stats classes by looking at charts and data. This includes a variety of data that looks at the graduation rates of minorities and different genders. I also attended a presentation of Variability. This presentation was given by Cal Poly San Luis Obispo professor Roxy Peck. She works with the California Acceleration Project and she discussed strategies for teaching the importance of variability throughout the semester. She also shared where she gets some of her data from (Census at School) and different active learning projects. She has students complete some of the projects at home before completing the project in class. On Saturday I attended a session by Cristine Franklin on how to encourage more of an conceptual understanding in Statistics. She used LOCUS questions which is a bank of questions available on-line. There are a variety of open ended questions and multiple choice questions that check to see how students think statistically. Next I attended a presentation on "Mind Blowing Projects for Stats" in which students complete projects over the course of a semester. The example given was a project on a country. The students had to present different statistics on that country using the techniques they learned in class. Furthermore, on Saturday I attended a presentation and a committee meeting on introducing Data Science course work at the community college level. Professionals in certain industries are looking to pick up more skills in Data Science (due to the Internet). Many community colleges are building programs, offering certificates, and working with universities to offer course work in data science. Overall I came away with valuable discussions and many ideas I can implement to make my courses more interesting and increase understanding and success.