



San Antonio ASA Chapter Newsletter

April 2017

Volume 30, No. 6

American Statistical Association

<http://ww2.amstat.org/chapters/sanantonio/>

Chapter President to speak at the May meeting of the San Antonio ASA

Our next meeting will be held on Friday, May 5th. Scheduled speaker is Dr. David Han, UTSA Department of Management Science and Statistics and our local ASA Chapter President. Please share this email and the attached flyer with friends, colleagues, and co-workers. As always, San Antonio ASA Chapter meetings are open to all interested individuals. Non-members are always encouraged to attend these meetings.

Date: Friday, May 5, 2017

Time: 2:00 pm

Location: BB 4.02.10 (Executive Conference Room)
Business Building
University of Texas at San Antonio
Loop 1604 Campus

Talk Title: **Condition-based Maintenance Policies under the Gamma Degradation Process**

Speaker: Dr. David Han, Department of Management Science and Statistics, University of Texas at San Antonio

Parking: For visitors to the UTSA campus: short-term visitor paid parking spaces are located in the Bauerle Road Garage (\$2.00/hr). For a campus map please visit: <http://www.utsa.edu/maps/main-map.html>.

Abstract: Condition-based maintenance is an effective method to reduce unexpected failures as well as the operations and maintenance costs. This talk discusses the condition-based maintenance policy with optimal inspection points under the gamma degradation process in order to improve the system reliability. A random effect parameter is used to account for population heterogeneities and its distribution is

continuously updated at each inspection epoch. The observed degradation level along with the system age is utilized for making the optimal maintenance decision, and the structure of the optimal policy is examined.

ASA President visits San Antonio Chapter

ASA president, Dr. Barry Nussbaum, visited the San Antonio Chapter and the Department of Management Science and Statistics at UTSA on April 3. As part of his visit, he met with the San Antonio Chapter members, officers, and UTSA faculty. He also met with graduate/undergraduate students and the ASA Student Chapter members at UTSA for an in-depth discussion about the practice of data science and career success factors. During the reception hosted by the San Antonio Chapter, participants also had an opportunity to interact with Nussbaum and enjoyed an informative exchange of ideas about the current status and future challenges of our discipline and ASA. As an invited speaker, Nussbaum delivered an open presentation entitled “What did you tell the president? – using Statistics to make a difference” to an audience of about 150 local statisticians, faculty and students including the San Antonio Chapter and UTSA community. Using the analyses used in court cases and material presented to the President of the United States, Nussbaum described how statistics can make a big difference in influencing decisions and actions in a variety of fields and how to succinctly explain statistical results so that decision makers can correctly integrate analyses into their actions. Further, big data was reviewed in the context of whether Uber is in the big data driver’s seat. Nussbaum’s visit was very much appreciated by all the chapter members and UTSA community.



San Antonio ASA Chapter Officers 2016-2017

President: David Han, University of Texas at San Antonio
(210) 458-7895
david.han@utsa.edu

Vice-President: Chen-Pin Wang, UTHSCSA
wangc3@uthscsa.edu

Secretary: Norma Ketchum, UTHSCSA
(210) 567-6141
ketchumn@uthscsa.edu

Treasurer: John Schoolfield
(210) 260-0216
john.schoolfield@yahoo.com

COC Rep
(2014-2016): Daijin Ko, University of Texas at San Antonio
(210) 458-6346
daijin.ko@utsa.edu

COTS Rep
(2016-2018): Joel Michalek, UTHSCSA
(210) 567-0886
michalekj@uthscsa.edu

Webmaster: Phillip Middleton, pmiddlet72@gmail.com