E-Tidings Newsletter

SCASA Events and News
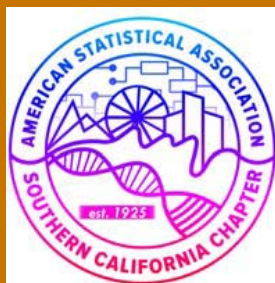
Inside This Issue

"I will not talk" (repeated)

"Just out of curiosity, who do you punish on the weekends?"
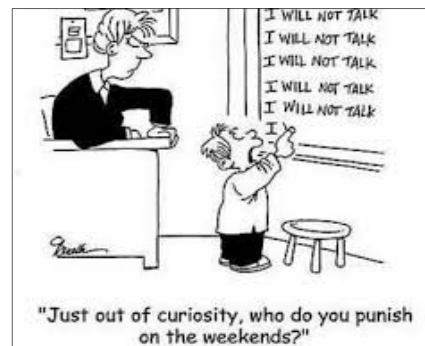
"I'm torn. On one hand, I'm ready for my kids to go back to school. On the other hand, I'm not ready for everyone else's kids".

WRITE IN "CURSIVE"? I HAVE NO IDEA WHAT YOU'RE TALKING ABOUT.

ALTHOUGH I THINK MY DAD SPOKE IN "CURSIVE" WHEN HE PAID FOR MY TEXTBOOKS.

JSM 2019 Highlights

By Harold Dyck, CSUSB

A most enjoyable experience attending JSM is seeing old and new friends, especially those associated with SCASA. Seeing those who have made presentations at SCASA events over the years (Ofer Harel, Hal Stern, Tim Hesterberg, Frank Harrell, Dick De Veaux and Sastry Pantula) gave me a chance to thank them for sharing with SCASA and reminded me of the benefits of our statistical community. At the Council of Chapters breakfast each chapter rep gets to stand up and review their chapter's activities over the year. There was considerable interest by other chapters in SCASA's online store. We even had our website pro-jected on the screen for all to see! Other meetings I attended were the ISEF and DataFest meetings where there were a lot of passionate volunteers!

Congratulations to these award winners (announced at JSM) who have been associated with SCASA: **Beth Chance** was a co-author of a paper awarded the Jackie Dietz Best journal of Statistics Education Paper Award; **Rob Gould** was awarded the Waller Distinguished Teaching Career Award; **Allan Rossman** won a Founders Award; and **Kate Crespi** is a new ASA Fellow.

I hope all of you consider attending next year's JSM in Philadelphia!

The two selfies are me with Rodney Jee (Past SCASA president) and with Jihao Zhou (Past SD-ASA Chapter pres-ident and current OCLB-ASA CoC rep).

By Daniel Jeske, UCR

A highlight of the 2019 JSM in Denver was a topic-contributed session organized by Daniel Jeske, editor of The American Statistician, entitled "Editor's Choice: Papers Published in The American Statistician in 2018." Over 100 conference attendees were present for the session and heard presentations on the fol-lowing papers:

1. "Guns and Suicides," Marcelo Fernandes
2. "A Bayesian Survival Analysis of a Historical Dataset: How Long Do Popes Live?," Luciana Dalla Valle
3. "On Mixture Alternative and Wilcoxon's Signed Rank Test," Jonathan Rosenblatt
4. "Abandon Statistical Significance," Blake McShane
5. "Forecasting to Scale," Sean Taylor

Another highlight was the free public lecture given by Mark Glickman entitled, "Data Tripper: Distinguish-ing Authorship of Beatles Songs through Data Science," which attracted nearly 1000 conference at-tendees.

ASA Traveling Full-Day Course

We are pleased to invite the SCASA community to the ASA traveling course. Upon public request, it will be a full-day course.

Title: Guidelines for Using State-of-the-Art Methods to Estimate Propensity Score and Inverse Probability of Treatment Weights When Drawing Causal Inferences

Instructor: Brian Vegetabile /ve-ge-tA-bi-lee/, RAND Corporation

📅 **Saturday, November 9, 2019**

🕐 **9am – 5pm**

📍 **Argyros Auditorium in Arnold and Mabel Beckman Center at City of Hope, Duarte, CA**

💰 **$40 general / $10 student (paid in cash or check at the door)**

For the instructor's biography, course abstract, campus map, parking instructions , and lunch info please visit our webpage at www.community.amstat.org/SCASA/home

Preliminary Schedule:

09:00am-10:00am	Introduction to causal inference and the potential outcomes framework for causal
10:00am-10:30am	Propensity Score Estimation via Logistic Regression vs. GBM
10:30am-10:45am	Break
10:45am-11:45am	Propensity score weighting example with two treatment conditions in TWANG
11:45am-12:15pm	Alternatives to GBM and logistic regression for propensity score estimation (CBPS or
12:15pm-01:15pm	Lunch
01:15pm-01:45pm	Causal inference beyond 2 treatment categories
01:45pm-02:45pm	Propensity score weighting example with 3 treatment conditions
02:45pm-03:00pm	Break
03:00pm-03:45pm	Omitted Variable Sensitivity Analyses
03:45pm-04:30pm	Marginal structural models & inverse probability of treatment weighting for time-
04:30pm-5:00pm	Comments on additional topics: Variable selection, doubly robust estimation + comments on current work developing tools for causal moderation, causal mediation, continuous treatments/exposures, and Big Data

SCASA 2019

Date: Saturday, December 7, 2019 ► **Time:** 10am—1:30pm ► **Location:** Azusa Pacific University, Mary Hills 234 (located on APU's East Campus at the physical address of 901 E. Alosta Ave, Azusa, CA 91702) **Schedule:** 10am-11:00am Presentation by Daniel R. Jeske, UC Riverside, on "**Discussion of the March 2019 Special Issue of The American Statistician on Alternatives to P < .05**" ► 11:00am –11:30pm Presentation by Douglas Montgomery, Arizona State University (ASU), who will comment on Dr. Jeske's presentation and talk about Ph.D. program at ASU ► 11:30pm-12:30pm Lunch and presentation by Dr. Montgomery on "**How Do You Make a Small Fortune in Wine...?**" ►12:30pm-1:30pm Business meeting ►**Cost:** Free ► **Lunch:** Catered ► **Abstract of Dr. Jeske's presentation**: A special issue of The American Statistician, with the same title as my talk, was published in March 2019. The special issue contains 43 papers that discuss and propose alternative inference procedures that could either enhance or replace the use of "bright line" thresholds such as P<.05. In this talk, I will discuss the history and motivation that led to the special issue, and provide an overview of what I found to be some of the most interesting papers in the issue. If you are new to this debate, or want to get caught up on the recent developments, you won't want to miss this accessible presentation!

Biographies: **Daniel Jeske** is a Professor in the Department of Statistics at the University of California, Riverside (UCR), where he served as the department chair 2008-2015. He is also the Vice-Provost of Administrative Resolution at UCR. He is a fellow of the American Statistical Association (ASA) and served on the ASA board 2014-2016. He is the current Vice-President of Membership and President-Elect for the International Society of Business and Industrial Statistics, one of the Associations of the International Statistical Institute (ISI). He is the current Editor-in-Chief of The American Statistician.

Douglas Montgomery is a Regents Professor of Industrial Engineering and Statistics at ASU. His research interests are in industrial statistics. He is an author of 16 books and more than 200 technical papers. He is a recipient of the Shewhart Medal, the Brumbaugh Award, the Hunter Award, and the Shewell Award, and the Ellis R. Ott Award. Montgomery is also a recipient of the George Box Medal from ENBIS (European Network For Business and Industrial Statistics). Montgomery is a fellow of the American Statistical Association, the American Society for Quality Control, the Royal Statistical Society, the Institute of Industrial Engineers, and an elected member of the International Statistical Institute.

Abstract of Dr. Montgomery's presentation at lunch: This presentation takes you through the author's encounters with wine and wine-making, starting with a group of friends who became business partners in the ownership of a small vineyard in Oregon's Willamette Valley. Their passion in wine had led them to this venture realizing that they actually knew very little about making wine. However, some of the partners knew about the power of designed experiments so over a series of seasons they developed a process for making world-class Pinot Noirs using fractional factorial designs. Today the winery produces several varieties of wine in addition to Pinot Noir with annual production exceeding 22,000 cases.

Orange County R User Group (OCRUG)

ONE-DAY WORKSHOP

DATE AND TIME

Sat, October 5, 2019
9:00 AM – 5:00 PM PDT

PRESENTER

Olga Korosteleva, CSULB

LOCATION

UC Irvine - The Paul Merage
School of Business
SB1 Room 2100
4293 Pereira Drive
Irvine, CA 92617

TOPIC

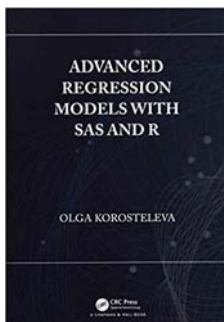Advanced Regression Models
with R Applications

COST

$25

WEBSITE

https://www.eventbrite.com/e/ocrug-advanced-regression-models-with-r-applications-tickets-70416075377

In this workshop we will talk about variety of regression models, give their definitions, discussing goodness-of-fit criteria, presenting fitted models, interpreting estimated regression coefficients, and using the fitted models for prediction. The models will be limited to: linear regression, Box-Cox transformation, gamma regression, ordinary logistic regression, Poisson regression, beta regression, longitudinal (repeated measures) regression, and hierarchical model.

The workshop is designed to be hands-on. Participants are required to bring laptops and be ready to write R, analyzing data and interpreting results. For each model, we present an example with a complete R code, and then will an exercise to work on. Workshop participants should be familiar with algebraic expressions of different probability distributions, and have a fundamental knowledge of simple linear regression: normally distributed random error, continuous and categorical independent variables (requiring creating dummy variables).

The material covered by the workshop will be taken from my recently published book "*Advanced Regression Models with SAS and R Applications*", CRC Press, 2018.

PyData LA Conference

December 3-5, 2019 at UCLA

PyData Los Angeles 2019

PYDATA LOS ANGELES 2019

HOSTED AT CALIFORNIA

STATE UNIVERSITY – LOS ANGELES

December 3-5

SUBMIT A PROPOSAL BY OCTOBER 1, 2019

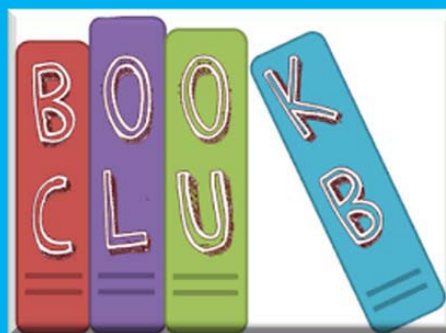**Call for Proposals is OPEN - Go to https://pydata.org/la2019/cfp/**

to find out more information.

It's not just for Python, but also R, Julia, Stan, etc. It's community-organized,

all the proceeds go to support open-source projects.
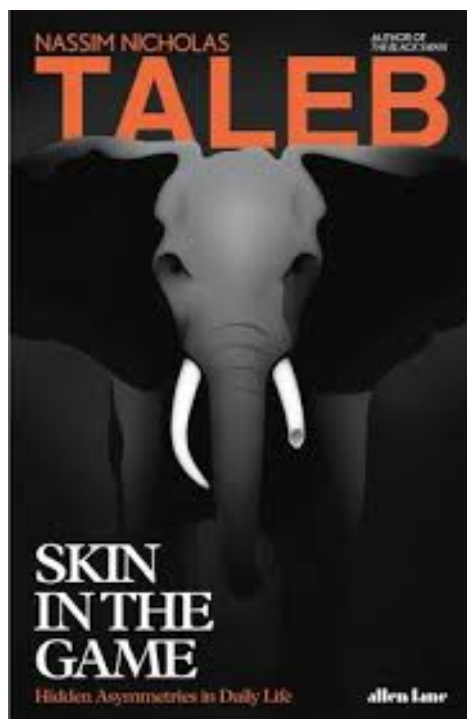
Conference website is https://pydata.org/la2019/

Join Our

BOOK CLUB

In September and October, 2019

we are reading

Skin in the Game: Hidden Asymmetries

in Daily Life **by Taleb, Nassim Nicholas**

Everyone is welcome to join and chat about

the contents, likes and dislikes, bounce ideas,

ask questions, provide answers on our book

chat at   **scasa.club**

More information about the club (and, in particular, the reading

schedule) can be found under the tab "Book Club" at

https://community.amstat.org/scasa/home

Dr. Normalcurvesau-rus, Ph. D. Presents

A bit difficult to fully digest, but very nutritional and packed with vitamins α, p-hat, x-bar, and especially mu and sigma!

Here at St Wadlings we like to treat ALL our patients as INDIVIDUALS...this for example is individual No 76/09bt-c12.

TOBACCO INDUSTRY RESEARCH CENTRE

"Excellent health statistics - smokers are less likely to die of age related illness"

MATHEMATICS DEPARTMENT

Oh, I hate sport too, but I just love reading the statistics...