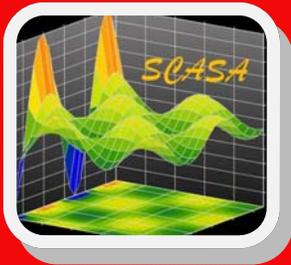


SCASA: SOUTHERN
CALIFORNIA CHAPTER
OF THE AMERICAN
STATISTICAL
ASSOCIATION



E-Tidings Newsletter

SCASA Events and News



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The SCASA 2016 Kick-off is coming up On Saturday, January 30, at UCLA

By Catherine Sugar, UCLA

Dr. Ron Brookmeyer, Professor of Biostatistics at UCLA, has agreed to be our speaker. On top of more traditional statistical recognition, he is a member of the Institute of Medicine and the National Academy of Sciences, a member of the editorial board for Science magazine and



this last year won the Nathan Mantel Lifetime Achievement Award for contributions at the intersection of statistical science and epidemiology. His interests have to do with population health--he's an internationally renowned AIDS expert, but has done work in many other areas including some in biosecurity which is a potential talk-topic for us. He's a truly terrific speaker --very good at distilling complex statistics down to a form that is accessible to broad audiences and really illuminating the underlying public health/science problem.

The event will take place on Saturday, January 30, at UCLA School of Public Health. More information is forthcoming in a separate email.

The 35th Annual Applied Statistics Workshop

Saturday, March 12, 9am-4pm, City of Hope

By Olga Korosteleva, CSULB

The event organizing committee is pleased to announce that our annual Applied Statistics Workshop will be held on Saturday, March 12, 2016, 9am-4pm, in Argyros Auditorium, at City of Hope, Duarte, CA. Our presenter will be Dr. Tim Hesterberg, Senior Ads Quality Statistician at Google, who will teach us about *Bootstrap Methods and Permutation Tests with Practical Applications*. Here is a detailed description of the presentation.

We begin with a graphical approach to bootstrapping and permutation testing, illuminating basic statistical concepts of standard errors, confidence intervals, p-values and significance tests. We consider a variety of statistics (mean, trimmed mean, regression, etc.), and a number of sampling situations (one-sample, two-sample, stratified, finite-population), stressing the common techniques that apply in these situations. We'll look at applications from a variety of fields, including telecommunications, finance, and biopharm. These methods let us do confidence intervals and hypothesis tests when formulas are not available. This lets us do better statistics, e.g., use robust methods (we can use a median or trimmed mean instead of a mean, for example). They can help clients understand statistical variability. And some of the methods are more accurate than standard methods.



Dr. Tim Hesterberg is a Senior Statistician at Google. He previously worked at Insightful (S-PLUS), Franklin & Marshall College, and Pacific Gas & Electric Co. He received his Ph.D. in Statistics

Registration via 123signup.com will be open on January 20th. Cost \$60 general, \$10 student. Consider sponsoring your students.

tics from Stanford University, under Brad Efron. Hesterberg is author of the "Resample" package for R and primary author of the "S+Resample" package for bootstrapping, permutation tests, jackknife, and other resampling procedures, is co-author of Chihara and Hesterberg

"Mathematical Statistics with Resampling and R" (2011), and is lead author of "Bootstrap Methods and Permutation Tests" (2010), W. H. Freeman, ISBN 0-7167-5726-5, and technical articles on resampling. See <http://www.timhesterberg.net/bootstrap>. Hesterberg is on the executive boards of the National Institute of Statistical Sciences and the Interface Foundation of North America (Interface between Computing Science and Statistics).

The 2016 ASA DataFest

Friday, April 29—Sunday, May 1, UCLA

By Robert Gould, UCLA

The 2016 ASA DataFest at UCLA will begin on Friday, April 29 and end 48 exciting hours later on May 1. Last year we had over 200 undergraduates competing, and they did remarkable work. The single most important factor that contributes to DataFest's success is our visitors. Visitors roam the hall and offer advice and wisdom, serving as a sounding board so that students can better crystalize their strategies and analyses. Visiting DataFest is great fun; you'll see hundreds of young students eager to learn more about statistics and data, and some of the students will amaze you!

DataFest is the first-of-its-kind "data hackathon", in which students have just 48 hours to find meaning in a large, rich and complex data set. Last year's data came from Edmunds.com, a car-buying website, and challenged students to find ways of improving the visitors' experiences at the website. A panel of expert judges awarded prizes for Best Insight, Best Use of External Data, and Best Visualization. This year's data, which is kept a secret until the last moment, promises to be even richer and more challenging than last year. DataFest is now in its second year as an official event of the American Statistical Association and will be held at several sites around the United States, Canada, and even Germany! The Southern Californian event at UCLA, however, is both the largest and the first!

More information will be posted on the website <http://datafest.stat.ucla.edu> as soon as this site is ready. Please note that financial contributions are warmly welcomed, since we must raise money to feed and house 200 students for an entire weekend. I hope to see you there! Please contact me, Rob Gould, rgould@stat.ucla.edu, if you have any questions.



SAS® Savvy Webinar Schedule



By Sunil Gupta, sassavvy.com

[Which Direction is your SAS Array?](#)

21 Jan 2016 11:00 AM • webinar

[Are you Lost? Find yourself with SAS Indexes.](#)

18 Feb 2016 11:00 AM • webinar

[SAS Savvy Open House](#)

26 Feb 2016 11:00 AM • Webinar

[How do you PROC COMPARE your output?](#)

17 Mar 2016 11:00 AM • webinar

To register, go to sassavvy.com. The cost is \$45 for non-SAS Savvy premium members.

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- ⇒ Macro SAS Programmer/Statistician

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```

/* ----- */
Task: List Report
Input Data: SASHELP.CLASS
Server: SASMain
/* ----- */
TITLE1 "List Report on Class";
FOOTNOTE1 "%TRIM(%QSYSFUNC(DATE(), NLDATE20.))";

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run;

proc report data=SASHELP.CLASS nowd;
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  define Sex / across 'Sex' missing;
  define Age / analysis SUM 'Age' missing;
  define Height / analysis SUM 'Height' missing;
  define Weight / analysis SUM 'Weight' missing;
  rbreak after / summarize;
run;
quit;

proc catalog catalog=work.formats;
  delete blankvalue / entrytype=format;
run;

```

EnCorps STEM Teachers Program Needs You !



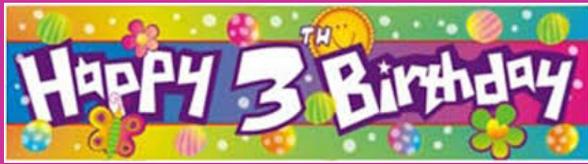
By Bethany Orozco, Recruitment Director, EnCorps STEM Teachers Program

The EnCorps STEM Teachers Program (www.encorps.org) is a nonprofit organization which mission is to help science, technology, engineering and math (STEM) professionals get involved with deserving middle and high school students from under-resourced communities. Specifically, EnCorps provides opportunities for folks affiliated with organizations such as SCASA to give back and do some volunteer tutoring or helping out in classrooms, and even pursue a second career as a science or math teacher in a high needs school.

EnCorps enables participants to be involved at two different levels. Our STEM Expert Tutors volunteer a couple hours a week to tutor students in math and science. Our participants can also choose a Credential Track, which puts them in classrooms as volunteer tutors and guest teachers, but also supports them as they obtain a teaching credential and helps them find a position as a full time middle or high school teacher. In either track, participants in EnCorps volunteer their time to work with under-resourced students to increase their knowledge and skills of math and science, and help students learn to become problem solvers, innovators, creators and collaborators. This is very meaningful and gratifying work, regardless of whether you want to make a career out of teaching! EnCorps provides the training and continued support throughout our Educators' experience.

Are you interested in helping us inspire the students in California who need it most? Please email Bethany Orozco, bethany@encorps.org. For more information, visit our website <http://encorps.org/>.





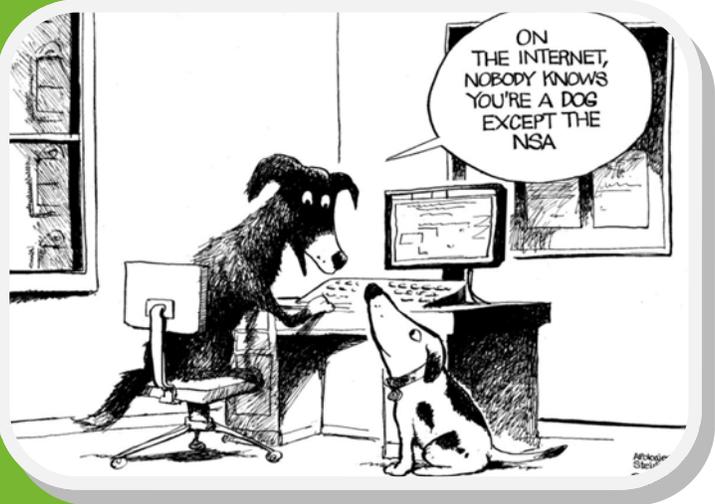
Dr. Normalcurvesaurus, Ph.D.



"Okay your father managed to get a mouse. Now how do we use it?"



Q: When things go wrong, what can you always count on?
A: Your fingers?



If you would like to submit an entry to the next issue, please contact me at Olga.Korosteleva@csulb.edu.
Yours Truly,
Olga Korosteleva
Your Editor-in-Chief