KUDOS

• Jenna Krall and Roger Peng’s work on predicting the number of deaths due to the Volkswagen emissions scandal will be featured on the cover of the next issue of Significance (see “Interesting Reads”!)

ASA 2016 STUDENT INTERNSHIP LIST

• The ASA just posted their 2016 internship list: http://stattrak.amstat.org/2015/12/01/2016-internships/

• Top 10 tips for getting successful statistical internships: http://stattrak.amstat.org/2015/12/01/top-10-tips-for-getting-successful-statistical-internships/

• For more, see this list of student fellowships, internships, and awards: https://docs.google.com/spreadsheets/d/1c6Tb1S5kxsUfStel8R1NCHPPvG2cp3Bp4uX4U0pYJ0/edit - gid=0

• Reminder for BIOS students: The ASA student paper competition deadline for many ASA sections is Dec 15, 2015!

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INTERESTING READS

• Jenna Krall’s work in The Guardian:

• BIOS alum Dana Haberling writes about her experience as a CDC statistician in Sierra Leone, in this month’s Amstat News:
  http://magazine.amstat.org/blog/2015/11/01/sierraleone2015/

• Statistics Canada on the reintroduction of the Canadian Census Long Form:
  http://www.statcan.gc.ca/eng/about/smr09/smr09_056

QUOTES

The most important shot in golf is the next one.

-Ben Hogan
Dear BIOS: We are starting a new tradition for this year’s Holiday Party. We are listing and announcing all of the student awards earned in the past year. As you can see it is a long list and a wonderful celebration of all of the accomplishments of our excellent students. Since it is the first time, we’re working to make sure we list them all, but if we missed something, please let us know!

**BIOS Student Awards in 2015**

- **Xin (Lucy) Lu** – graduated
  - Oak Ridge Institute for Sciences and Education Fellowship, CDC, 2013-2015
  - Biopharmaceutical Applied Statistics Symposium Student Travel Award
- **Phebe Kemmer** (7th Year PhD)
  - Best Emory Student Poster Award, 2015 Georgia Statistics Day
  - Clint Miller Outstanding Student Poster Award, 2015 SRCOS Summer Research Conference
  - Student Travel Award, 2015 SRCOS Summer Research Conference
  - Student Paper Competition Winner, 2015 Statistical Methods in Imaging Workshop, University of Michigan
- **Tian Dai** (6th Year PhD)
  - Boyd Harshbarger Student Travel Award, 2015 SRCOS Summer Research Conference
- **Ran Shi** (5th Year PhD)
  - Student Paper Competition Award, American Statistical Association, 2015 Section on Bayesian
  - Student Paper Competition Award, American Statistical Association, 2105 Section on Statistics in Imaging
- **Lijia Wang** (5th Year PhD)
  - 2015 Michael H. Kutner Distinguished Doctoral Student Award
  - 2015 PhD BIOS Student Mentoring Award
- **Jing Yang** (5th Year PhD)
  - 2015 PhD BIOS Student Mentoring Award
- **Devin Liao** (4th Year PhD)
  - 2015 Livingston Fellow Award
- **Domonique Watson** (4th Year PhD)
  - 2015 SAS RA Fellowship
- **Yi Deng** (3rd Year PhD)
  - Biopharmaceutical Section Paper Award, 2015 JSM
- **Nancy Murray** (2nd Year PhD)
  - Piedmont TATTO Fellowship on Sustainability, Teaching, and Curriculum Award, 2015 Piedmont Project
- **Josh Lukemire** (1st Year PhD)
  - Honorable Mention, Student Poster Award, 2015 Georgia Statistics Day
- **Jessica Chen** (2nd Year MSPH)
  - RSPH Outstanding Practicum Award Finalist
- **Matt Gregory** (2nd Year MPH)
  - RSPH Adopt-A-Scholar Award
- **Chris Locandro** (1st Year MSPH)
  - Men’s Postgraduate Scholar – Athlete Award, 2015 Sun Belt Conference

*Congratulations to everyone!*
Bios Buzz

UPCOMING DEPARTMENT MEETINGS
• None this week

RFAs
• ECHO RFAs from NIEHS circulated earlier this week.

ASA NEWS
• See weekly digest
• Reminder: Many ASA sections have their student paper competition deadline of Dec 15, 2015!
  http://www.amstat.org/sections/studentpaperawards.cfm

WORKSHOPS AND MEETINGS
• The Johns Hopkins Bloomberg School of Public Health will hold the 34th Graduate Summer Institute of Epidemiology and Biostatistics from June 13 - July 1, 2016. We would be most grateful if you would share information about our summer program in epidemiology and biostatistics with colleagues, students and trainees interested in epidemiologic research.
  o The Institute offers short, intensive courses in basic and advanced epidemiology and biostatistics that develop an understanding of the principles, methodologic strategies and applied aspects of public health research and practice. In addition to foundation courses such as Principles of Epidemiology and Design and Conduct of Clinical Trials, we will offer Health Survey Research Methods, Investigation of Outbreaks, Health Situation Analysis, Public Health Surveillance, and more.
  o Courses are offered in one, two or three-week formats, as one-day workshops and online.
  o Participants can register for professional development, to enhance current skills, or for academic credit for those interested in applying the course work towards a degree program.
  o JHU Campus Housing available: fees include breakfast and dinner daily.
  o The Summer Institute website, www.jhsph.edu/summerepi, has information on courses, tuition and housing. Please let me know if I can provide additional information about our program.
Bios Buzz

JOB OPENINGS

• Tenure track faculty position in the Biostatistics MPH program at Oakland University (Rochester, MI)
  o The successful candidate will have teaching strengths at the graduate and undergraduate levels in biostatistics and the basic health science disciplines. The candidate is expected to initiate and maintain a program of research, scholarship, and community service.
  o A doctoral degree is required. Doctoral candidates who are currently ABD but will defend prior to August 15, 2016 will be considered. A doctoral degree in biostatistics, statistics, or related quantitative field is preferred.
  o Position begins August 15, 2016. Applications are encouraged by December 15, 2015, but will be accepted until the position is filled. For questions, call (248) 364-8668 or e-mail reznar@oakland.edu
  o https://jobs.oakland.edu/postings/6083

• Postdoc Research Position in Quantitative Sciences for Cancer Research at the Harvard School of Public Health
  o The position supported by the Training Grant in Quantitative Sciences for Cancer Research: http://www.hsph.harvard.edu/biostats/research/training_grants/cancer/index.html
  o A doctoral degree is required. Interest across all applications of quantitative sciences in cancer research, including basic, population, and clinical sciences are welcome. Anticipated start date is August 2016.
  o Interested applicants should send a letter of application indicating current and future research interests, a curriculum vitae, and names of three references. In your application, please reference “Training Grant in Quantitative Sciences for Cancer Research” and indicate any preliminary preferences for mentorship assignment. Application materials should be sent by email to biostat_postdoc@hsph.harvard.edu

• Postdoc Research Position in Environmental Health at the Harvard School of Public Health
  o Seeking candidates with PhD in Statistics/Biostatistics, or Environmental Health, for 2 two-year postdoctoral positions. One of the positions will be more focused on statistical methodologies, involving the development of statistical methods to estimate health effects associated with a large number of exposures, accounting for multiple potential confounders and interactions; and causal inference methods for exposure response functions. The second position will involve more data analysis focusing on estimating the health risks associated with short and long-term exposure to air pollution, weather, and non-chemical stressors.
  o Doctoral degree in Statistics, Biostatistics, Environmental Health or a related field; familiarity in Bayesian modeling, Poisson regression, Cox proportional regression models are encouraged. Knowledge of SAS and R is also encouraged. Excellent communication and writing skills desired.
  o Interested applicants please send CV and have at least two referees send letters to biostat_postdoc@hsph.harvard.edu. In your application, please reference "Environmental Health Postdoc."
**JOB OPENINGS**

- **Research Fellowship Position in Statistics at the CDC Biomonitoring Laboratory**
  - The Tobacco and Volatiles Branch (TVB) of the Division of Laboratory Sciences at the CDC is seeking one bachelor’s, master’s, or doctoral graduate (degree conferred within last five years) for a research fellowship appointment lasting two to four years.
  - A background in teaching is desirable. Candidates should be proficient in a major software application for statistical analysis — such as SAS, R, or Stata — although most statistical analysis is implemented in SAS.
  - Starting salaries: bachelor’s graduate $41,348; master’s graduate $50,578, PhD $61,193.
  - Please submit your *curriculum vitae* including grade point average (undergraduate and graduate; GPA ≥ 3.5 desirable) to Dr. Rey deCastro (JSQ7@cdc.gov). Doctoral graduates should include a letter of intent stating research interests and framing their qualifications with respect to this fellowship.

- **Tenure track position at Duke University Department of Statistical Science**
  - Positions at the level of assistant professor to begin in Fall 2016.
  - Preference will be given to candidates whose core statistical science research interests are complemented by collaborative research interests in areas including medicine, energy, business, economics, finance or other areas of the social and policy sciences, computer science, neurosciences, and environmental science. We are particularly interested in applicants with demonstrated experience in complex stochastic modeling and computation for large-scale problems and data sets.
  - To apply, submit a letter, curriculum vitae, personal statement of research and teaching and names/letters from three references via academicjobsonline.org Enquiries can be emailed to search@stat.duke.edu. The application pool will remain open until the position is filled; screening will begin on December 15th 2015.

- **Post-doc Research Position at the University of Washington Department of Biostatistics**
  - Seeking applications for a post-doctoral research position in statistical methods for high-dimensional environmental data, with a particular focus on air pollution epidemiology. The successful applicant will develop methods that combine spatial statistics with machine learning for multivariate environmental exposures, working under the supervision of Dr. Adam Szpiro.
  - Potential research directions include unsupervised factor analysis or clustering for spatially misaligned data, spatio-temporal prediction, post-selection inference for environmental epidemiology, measurement error correction, and adjustment for unmeasured spatial confounding. This fellowship includes collaboration with faculty in the Departments of Biostatistics and Statistics and a multidisciplinary team of researchers.
  - Candidates must have a strong quantitative background with a doctoral degree in statistics, biostatistics, or a related field. Excellent written and oral communication skills are required. Prior experience with spatial statistics, machine learning, and environmental epidemiology would be helpful but is not required.
  - Applicants should send a brief cover letter, CV, and names and contact information for 2-3 references to:
    
    Adam Szpiro, Ph.D.
    Department of Biostatistics
    Box 357232
    University of Washington
    Seattle, WA 98195
    aszpiro@uw.edu
JOB OPENINGS

• **Post-doctoral fellowship in Cancer Biostatistics at the University of Michigan**
  - Areas of research include but are not limited to analysis of gene-environment interactions, risk prediction models, electronic health records and personalized prevention and treatment. Candidates considered for this position will be expected to be engaged in several ongoing projects at the University of Michigan Comprehensive Cancer Center.
  - Generous salary support is available for two years with potential for renewal in the third year. Applicants should have a doctoral degree in Biostatistics, Statistics, Mathematics, Human Genetics, Computer Science, Epidemiology, or other relevant discipline and should have demonstrated ability to conduct independent methodological research. Applicants should send CV, academic transcripts, and statement of research interests, and have at least three letters of reference sent to: Bhramar Mukherjee (734-764-6544, bhramar@umich.edu) and Jeremy MG Taylor (734-936-3287, jmgt@umich.edu), Department of Biostatistics, School of Public Health, University of Michigan, 1415 Washington Heights, Ann Arbor, Michigan 48109-2029.

• **ASA Science Policy Postdoc Fellowship**
  - Are you interested in science policy and helping your profession? Apply for the ASA Science Policy Fellowship and spend 1-2 years in Washington, DC, working to elevate the profile of statistics in policymaking and advocating on behalf of the profession.
  - Applications for the fellowship are requested by January 1, with consideration done on a rolling basis. Interested applicants holding a PhD in statistics—or a closely related science—should submit a letter of application, short résumé, writing samples (nontechnical if available), and contact information for three professional references. (Outstanding applicants with an MS in statistics or related science also will be considered.) The letter of application should not exceed two pages and should explain the applicant’s policy interest and reason for applying, scientific and professional background, and attributes and experience that would make the applicant effective in this position.
  - [http://www.amstat.org/policy/fellowship.cfm](http://www.amstat.org/policy/fellowship.cfm)

• **Tenure-track assistant professor position in Biostatistics at the University of Michigan**
  - Candidates must have a strong research background with a doctoral degree in biostatistics, statistics, mathematics, or related field, with interest in statistical methods for the analysis of electronic health records, causal inference, high-dimensional data, precision medicine, integration of data from diverse sources and applications in cancer.
  - Consideration of applications will begin immediately, and will continue until the position is filled. Interested applicants should email a CV, 3 reference letters, a statement of research interest, a statement of teaching interest and academic transcripts to: BiostatFacultySearch2016@umich.edu
JOB OPENINGS

- **Biostatistician at the Rural Health Research Institute (RHRI) at Georgia Southern University**

  Responsibilities:
  - Serving as data manager on a variety of research projects (ranging from cross-sectional to complex, longitudinal designs)
  - Coordinating and/or conducting database development, data entry, and data cleaning
  - Maintaining current and complete master datasets for all assigned research projects
  - Designing, coding, and programming research questionnaires
  - Collaboratively and independently developing analytic approaches for identified research questions, analyzing data, and interpreting findings
  - Locating and coordinating receipt of supplemental/secondary datasets
  - Ensuring data security
  - Leading preparation of analysis methodology and results sections of manuscripts (including tables)

Qualifications: Masters degree and 3+ years of related work experience

To Apply (by Jan 8): [https://employment.georgiasouthern.edu/postings/22651](https://employment.georgiasouthern.edu/postings/22651)
Bios Buzz

STATISTICS CARTOONS

Probability of White Christmas

CARTOONS SOURCE:
- http://www.novascotia.ca/finance/site- finance/media/finance/20121224-03.jpg