KUDOS

- Congratulations to the 2017 BIOS Graduates!!!
  - **BA/MSPH:** Alex Aiello, Ishaan Dave
  - **MSPH-PHI:** Alex Edwards
  - **MS:** Anthony Pileggi, Lael Rayfield, Megan Warnock
  - **MPH:** Jingning Ao, Yufan Chen, Qin Sun, Terrence Tang, Yujie Zhao, Xiting Zhu
  - **MSPH:** Na Bo, Wenyi Fan, Xi Fang, Haonan Feng, Taylor Fischer, Keun Lee, Chris Locandro, Hanna Mar, Anqi Pan, Isaac Parakati, Sarah Sullivan, Gavin Tian, Gabriel Vece, Hannah Wolford, Quran Wu, Jiahui Xu, Jimmy Ye
  - **PhD:** Brooke Alhanti, Yunxuan Jiang, Phebe Kemmer, Lijia Wang, Domonique Watson, Jing Yang

- Congratulations to Anqi who will be carrying the gonfalon for the MSPH graduates in RSPH graduation!

- Congratulations to Hanna Mar who is a finalist for the 2017 Shepard Award!
UPCOMING DEPARTMENT MEETINGS

- BIOS Department Meeting, Tuesday May 9, 12-1, RAR
  - Draft agenda
    - NIH limits on grant support (see NIH News below).
    - SIBS/REU updates
    - Student recruitment update
    - Student Feedback
    - BIOS Teaching Awards
    - Birthdays
    - Other items?

QUOTES

- “Some people drink from the fountain of knowledge, others just gargle.” - Robert Anthony
- “We don't stop going to school when we graduate.” - Carol Burnett
- “Knowledge is invariably a matter of degree: you cannot put your finger upon even the simplest datum and say this we know.” - T. S. Eliot
INTERESTING READS

- “Challenging sex discrimination: Reflections over seven decades” by BIOS Emerita Professor Donna J. Brogan, drawn from her presentation to the 2016 Conference on Women in Statistics and Data Science and published in Chance magazine as part of a special focus on the Rise of Women in Statistics and Data Science.
- “What is statistics?” Great quotes from CRC/Chapman & Hall authors (good soundbites to have on hand when visiting family or friends this summer who ask what you do…if you have a great quote yourself, let me know and we can put it here.
  - https://www.crcpress.com/go/what_is_statistics
- Data Science: Preparing for a world of tribbles.
  - https://datascience.nih.gov/BlogDataSciencePreparingforTribbles
- BIOS alumna (Dionne Price, PhD) wrote an article in last month’s Amstat News magazine. She also presented similar material at the Women in Statistics and Data Science conference. It would be great to include her article in the Buzz (if I haven't missed it in previous versions).
  - http://stattrak.amstat.org/2017/04/01/fedsuccess/
- An Interview with Benjamin Baumer, Author of Modern Data Science with R (CRC/Chapman & Hall)
  - https://www.crcpress.com/go/baumer_interview
- “Of Pirated Papers and Pillaging Publishers”….
  - http://www.biotechniques.com/news/365842#.WQp97f17r0g
- Finally, Springer publishers asked their journal editors to define a single paper published in their journal in 2016 that could “change the world”.
  - http://www.springernature.com/gp/researchers/campaigns/change-the-world
  - Clicking on Medicine and Public Health shows articles about Big Data, disease elimination, microbiome, etc, etc.
  - If you are interested in seeing the what areas really stand out (and areas with lots of data and interest), take a look!

INTERESTING TO LISTEN TO

- Stats and Stories S+SS Episode , "Getting the sense of US from the Census" is now available.
  - This episode features a conversation with John H. Thompson, the 24th Census Bureau Director. The Census Bureau prepares the 2020 Census and over more than 100 other censuses and surveys, which measure America's people, places and economy, and provide the basis for crucial economic indicators such as the unemployment rate. To listen now, please visit www.statsandstories.net or iTunes. Please forward information about S+S and S+SS to any of your colleagues or friends who might enjoy considering the statistics behind the stories and the stories behind the statistics.
  - As always, comments and suggestions for future guests are welcome, and you are invited to post comments and program ratings on iTunes.
Bios Buzz

JOB OPENINGS

- Senior Statistician Position at Karna
  - Karna is seeking immediate placement for a Senior Statistician to provide high level expertise in applicable public health disciplines to collect, abstract, code, analyze, and interpret scientific data contained within information systems and databases related to public health for current work with the Defense Suicide Prevention Office within the Department of Defense. The Senior Statistician will be responsible for statistical analysis and reporting of captured data. Applicant will be expected to consult on design of statistical analysis plans, perform high-level statistical processes and report findings to multiple constituencies.
  - Responsibilities include:
    - Design, develop, and implement research methods and advanced data analytic techniques to analyze key questions related to suicide prevention program and intervention outcomes and effectiveness.
    - Utilize knowledge of social science, epidemiology, and public health literature, theories, and methods.
    - Combine large and small data sets to explore hypotheses and answer research questions.
    - Ability to conduct descriptive and inferential statistics, including regression and analysis of variance.
    - Provide consultation on design of data processing systems, specifying the needed output, the required input and the methods of validation and quality control.
    - Responsible for ensuring the statistical validity of study activities by solving problems occurring in the data collection process.
    - Provide guidance and instruction on appropriate statistical evaluation methods and practices.
    - Assists clients in interpretation of statistical results.
    - Clearly summarize findings in oral, written, and graphical forms.
    - Performs data replication studies and critically evaluates statistical procedures used to produce study results.
    - Work with team to recommend and administer effective statistical methodology and strategies necessary for the creation, completion, and analysis of epidemiology or research projects and supervises the planning and designing of analytical procedures by others.
    - Provide technical expertise, consultation, advice on statistical analysis, methods and techniques for data studies. Collaborate with other researchers in the healthcare disciplines.
    - Convert highly statistical numerical output results into easily-understood written form for display in PowerPoint slides, Word documents and Excel spreadsheets.
    - Perform data mining exercises to identify areas of excellent performance and areas of potential improvement.
    - Apply statistical methods including, but not limited to: linear, logistic, and conditional logistic regression models, as well as survey statistics and survival analysis.
    - Perform a variety of tasks relying on extensive clinical, statistical and information technology experience and judgment to plan and accomplish goals.
    - Prepare analysis plans and writes detailed specifications for analysis files, consistency checks, tables, and figures; communicate with clients regarding statistical analysis issues.
  - Required Experience:
    - Qualifications:
      - Master's degree or PhD preferred in Biostatistics, Computer Science, Statistical Mathematics, or other related field and/or discipline.
      - 7-10 years' experience as a Biostatistician using commercial statistical software packages, with particular emphasis on SPSS and R.
      - Experience with sample size calculations and methodologies.
      - Knowledge of surveillance and case-control study design and analysis. Experience with a variety of different groups in various disciplines.
      - Well-versed in Microsoft Office products.
      - Knowledge of the principles, practices, and methods to plan and implement public health programs.
      - Familiarity with DoD policies and procedures
      - Strong database skills particularly querying and transforming datasets for import into various applications.
      - Knowledge of various healthcare data sources and clinical issues.
      - Excellent written and oral communication.
      - Strong attention to detail and problem-solving abilities.
    - Other Requirements:
      - U.S. Citizenship.
      - Current or recent JPAS record with ability to obtain CAC or PIV ready status prior to reporting for work.
  - To apply, please go to the website at www.karna.com or email careers@karna.com.
Bios Buzz

JOB OPENINGS

- **Post-Doctoral Position in Orthopaedic Outcomes Research**
  - The Johns Hopkins Department of Orthopaedics, in collaboration with the Department of Health Policy and Management in the Bloomberg School of Public Health is looking for recent doctoral graduates interested in a two-year post-doctoral position in orthopaedic outcomes research. This position is supported by the NIH Training in Orthopaedic Team Science (TOTS) program which is designed to provide a focused training experience in translational science related to improving the diagnosis, management and outcomes of musculoskeletal conditions and injuries. The successful candidate will work with a team of scientists in orthopaedics and the Major Extremity Trauma and Rehabilitation Consortium (METRC). METRC is a research consortium funded by the Department of Defense and consists of over 50 trauma centers and military treatment centers dedicated to producing the evidence needed to ensure quality outcomes for service members and civilians who sustain orthopaedic trauma.
  - Application is open to candidates who have the following:
    - A PhD or other advanced research degree in health services research, epidemiology, biostatistics or other comparable field
    - A strong commitment to ‘team science’ and translational research
    - A strong commitment to a career focused on clinical investigation of orthopedic conditions and injuries
    - U.S. citizenship, non-citizen national status, or permanent residency
  - Candidates interested in this program are asked to provide a current curriculum vitae and a personal statement that addresses:
    - Background information relevant to the candidate’s interest in the clinical research in orthopedics;
    - Long-term career goals and how the TOTS Program can facilitate advancement towards these goals;
    - Summary of prior or ongoing research interests.
  - Please send inquiries to: Dr. Ellen J. MacKenzie, Professor of Health Policy and Management Director of the Major Extremity Trauma and Rehabilitation Consortium, Johns Hopkins Bloomberg School of Public Health, 415 North Washington Street, Baltimore, MD 21231, emacken1@jhu.edu
NIH NEWS

• “Implementing Limits on Grant Support to Strengthen the Biomedical Research Workforce”
  o https://nexus.od.nih.gov/all/2017/05/02/nih-grant-support-index/?utm_source=nexus&utm_medium=email&utm_content=nihupdate&utm_campaign=apr17

• Certificates of Confidentiality for NIH Grants
  o The 21st Century Cures Act contains provisions to improve clinical research and privacy through certificates of confidentiality.
  o Currently, certificates of confidentiality (or “CoCs”) are provided upon request to researchers collecting sensitive information about research participants. Soon, CoCs will be automatically provided for NIH-supported research, as set forth in the 21st Century Cures Act. …

• New NIH forms coming January 2018
  o https://nexus.od.nih.gov/all/2017/04/30/forms-e/?utm_source=nexus&utm_medium=email&utm_content=nihupdate&utm_campaign=apr17

• “Who has the rights to publications and data developed under a grant?”—anonymous reader
  o Grantees own the rights to their data and may copyright publications, data, or other copyrightable works without NIH approval. Keep in mind that as the grantee, your institution may exercise its right of ownership over any work created during your official duties.
  o For more information, read Can I copyright publications developed under a grant? in our Copyright and Publication for Grantees Questions and Answers.

• “Must I receive prior approval before submitting a program project (P01) application?”—anonymous reader
  o Yes, in two cases.
  o First, all applications requesting $500,000 or more in direct costs in any year require prior approval even if none of the individual projects request $500,000 or more. See the Big Grants SOP for details.
  o Second, NIAID requires applicants to obtain prior approval before submitting new, resubmission, or renewal applications to the NIAID Investigator-Initiated Program Project Applications (P01) (link is external) funding opportunity announcement. To request this approval, touch base with one of the initiative’s scientific/research contacts: Martin Gutierrez (link is external) (DAIDS), Cheryl Lapham (link is external) (DAIT), and Karen Lacourciere (link is external) (DMID).
  o Read more in Contact NIAID and Obtain Preapproval on Multiproject Research (P, U) Applications.

EMORY IRB NEWS

• Emory IRB Has New Guidance on Data Sharing Certifications:
  o Researchers are often asked by the NIH or by collaborators to obtain “institutional certification” to share research data in large repositories. It’s often not clear how to go about this. To help researchers, the Emory IRB has created a web page covering who certifies, and what the IRB needs in order to verify that the data sharing complies with NIH policy. Please see the new content here: http://irb.emory.edu/forms/Data_Sharing.html Email Rebecca Rousselle, IRB Director, with any questions.
CARTOONS SOURCES:

- http://www.cagle.com/working/100518/koterba.jpg
- https://www.toonpool.com/user/589/files/educated_guess_2231515.jpg

“What do I do now?”