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• “We are confronted by insurmountable opportunities”.  **Walt Kelley** (Pogo)

• “We succeed in enterprises which demand the positive qualities we possess, but we excel in those which can also make use of our defects.”  **Alexis de Tocqueville**

• “At the moment you are most in awe of all there is about life that you don’t understand, you are closer to understanding it all than at any other time.”  **Jane Wagner**
UPCOMING DEPARTMENT MEETINGS

- None, Lance will be out of town.

BD2K UPDATES

BD2K News

- BD2K will now have a YouTube playlist. Please find the direct link to Anthony Goldbloom’s lecture “Data Science and Medicine: What’s Possibly at the Cutting Edge” This event originally occurred live and is now available for on demand viewing at https://www.youtube.com/watch?v=WKVyPFIAYmk

Data Science Lectures

  
  **SPEAKER:** Dr. Po-Shen-Loh, Associate Professor of Mathematics, Carnegie Mellon University and Founder of expii.com
  
  **DATE:** Wednesday, June 1, 2016, 3:30pm - 4:30pm EST
  
  **LOCATION:** Lecture will be available via webcast.
  
  **VIDEOCAST LINK:** TBD. Please visit https://datascience.nih.gov/community/datascience-at-nih/frontiers for updated weblink.

Data Science Events & Workshops

- **NIST Workshop:** “The Role of Standards in Preventing & Mitigating Health IT Patient Safety Risks”
  
  Health IT Community Technical Workshop for all Stakeholders to Learn and Share Industry Best Practices, will be held at NIST Red Auditorium, September 7, 2016
  
- **2016 IEEE International Conference on Big Data**, Dec 5-8, 2016, Washington DC, USA
  
  Call for Papers, a few workshops related to Biomedical and Bioinformatics Big Data http://cci.drexel.edu/bigdata/bigdata2016/
  
- The Committee on Applied and Theoretical Statistics invites you to attend a two-day workshop on the challenges of applying scientific inference to big data.
  
  For more information, including the preliminary program, check out the workshop website. June 8-9, 2016, Keck Center, Room 100, 500 Fifth St., N.W., Washington, D.C. 20001. **This workshop will be professionally webcast.** If you intend to join us in person or online, please register by Monday, June 6th. For questions about the workshop, please contact Michelle Schwalbe at mschwalbe@nas.edu

- The American Academy for Biomedical Informatics is conducting a first of its kind hands-on training in "Graph Based Analysis of Biomedical BigData", in partnership with the University of District of Columbia CC. The training would be held at the UDC CC campus. The University of District of Columbia CC, Continuing Education department provides the CEU’s for this training. **July 7 – July 8, 2016** https://americanbiomedicalinformatics.org/graphjuly2016.php

NIH NEWS

• NIH comments regarding new overtime laws and postdoctoral researchers (IMPORTANT)
  o https://nexus.od.nih.gov/all/2016/05/18/nih-flsa-2016/?utm_source=nexus&utm_medium=email&utm_content=nihupdate&utm_campaign=may16
• Interesting review of trends of number of applicants for NIH grants, and number or awarded investigators over time.
  o https://nexus.od.nih.gov/all/2016/05/31/how-many-researchers/?utm_source=nexus&utm_medium=email&utm_content=nihupdate&utm_campaign=may16
• Also, trends in success rates for new proposals and renewals
  o https://nexus.od.nih.gov/all/2016/05/26/grant-renewal-success-rates-then-and-now/?utm_source=nexus&utm_medium=email&utm_content=nihupdate&utm_campaign=may16
• New annotation in online RFAs highlights importance of each section…
  o https://nexus.od.nih.gov/all/2016/05/27/funding-opportunity-announcements-explained/?utm_source=nexus&utm_medium=email&utm_content=nihupdate&utm_campaign=may16
• Q&A
  o What criteria will be used to judge "Rigor"? (IMPORTANT!)
    ▪ https://nexus.od.nih.gov/all/2016/05/31/what-criteria-will-be-used-to-assess-how-we-address-scientific-rigor-in-my-application/?utm_source=nexus&utm_medium=email&utm_content=nihupdate&utm_campaign=may16
    ▪ (Gives link to "Reviewer Guidance on Rigor and Transparency")
  o Does the Rigor and Transparency requirement apply to renewals?
    ▪ Short answer: Yes.
2016 BIOPHARMACEUTICAL WORKSHOP

- September 28-30, 2016 | Washington D.C.
- Advance Registration Deadline: August 30
- Join us for the 2016 ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop from September 28–30 at the Washington Marriott Wardman Park in Washington, DC.
- With highly valued content from statisticians in industry, academia, and the FDA, the annual workshop is the most relevant conference for statistical practitioners in the biopharmaceutical arena.
- Browse the online program to see what's in store this year!

2016 WOMEN IN BIOSTATISTICS AND DATA SCIENCE CONFERENCE

- October 20-22, 2016 | Charlotte, NC
- Early Registration Open Until September 6
- Register and Information Here
- WSDS will bring together academic, industry, and government professionals and students working in statistics, biostatistics, and data science. The conference includes: Keynotes, Concurrent Sessions, Poster Sessions, Breakfasts, Receptions, and a Dinner Celebration, Online Access to the Career Service, Short Courses
According to Bayesianism, every theory, no matter how ridiculous, has some probability of being true.

But, the sum of all theories multiplied by their probability must still be one.

Because all of these theories get some slice of the probability pie, so long as we generate theories fast enough, the undesirable theory becomes less and less true.

Therefore, I've created a new device: The Bayesian overloader.

Start with some very probable theory that nobody likes. For example, "I will die someday."

And thus, I am immortal!

Now, we set the overloader to generate opposing theories, like "everyone living will not die," or "only pumpkins die," or "nobody has ever died - they're all just sleeping."

The overloader creates hundreds of trillions of theories every second.

See, that's why I'm a frequentist.
"I think we could understand this better if it were a pie chart."

CARTOONS SOURCE:

- https://cdn.andertoons.com/img/toons/cartoon6751.png