QUOTES

- “One touch of nature makes the whole world kin.” William Shakespeare

- “Nature does not hurry, yet everything is accomplished.” Lao Tzu

- “The most important thing, as I am constantly saying, is to think about small ways in which we can make a difference — every day.” Jane Goodall

- “You cannot get through a single day without having an impact on the world around you. What you do makes a difference, and you have to decide what kind of difference you want to make.” Jane Goodall

- “The butterfly counts not months but moments and has time enough.” Rabindranath Tagore

- “In nature, nothing is perfect, and everything is perfect. Trees can be contorted, bent in weird ways, and they’re still beautiful.” Alice Walker

- “…Nature’s dice are always loaded…in her heaps and rubbish are concealed sure and useful results.” Ralph Waldo Emerson
UPCOMING DEPARTMENT MEETINGS

- Tenure and tenure track faculty meeting, Tuesday 12-1, GCR 311

INTERESTING READS (good things to “Read, read, read”!)

  - To listen now, please visit www.statsandstories.net, Apple Podcasts or Stitcher. Please forward information about S+S and S+SS to any of your colleagues or friends who might enjoy exploring the statistics behind the stories and the stories behind the statistics.

- FIFA World Cup statistics: A data science perspective – Part 1.

- Scientists predict the World Cup winner using machine learning.
WORKSHOPS

- **Statistics for the Environment: Research, Practice and Policy** is the 2018 biennial workshop of the section on Statistics and the Environment (ENVR) of the American Statistical Association. The overarching goal of the workshop is to bring together environmental statisticians working in academia, government research labs, and industry to present and discuss research ideas and methods to address important environmental and ecological problems. An invited panel will discuss research needs and ways to strengthen the link between the environmental statistical community and researchers concerned with environmental practice and policy. Invited sessions will cover topics in environmental health, climate extremes, large spatial data, statistical methods in forestry and ecology, and environmental and ecological sampling and monitoring.
  - The workshop will feature two short courses “Beyond the black box: applying, programming and sharing hierarchical modeling algorithms using NIMBLE” (instructor: Chris Paciorek, University of California, Berkeley) and “High Performance Computing for Spatial Data” (instructors: Dorit Hammerling, NCAR, and Andrew Finley, Michigan State University, with contributions from Doug Nychka, NCAR).
  - The workshop will be held at The Collider, and event center in downtown Asheville, NC, located at 1 Haywood St.
  - **When:** Thursday, October 11 – Saturday, October 13, 2018
  - **Where:** The Collider, Asheville, NC
  - [http://community.amstat.org/envr/events/envr2018workshop](http://community.amstat.org/envr/events/envr2018workshop)
"I'm going on vacation and this carry-on has my smartphone, my work laptop, and a ton of important paperwork I could do on the plane. How much extra for you to lose it?"

---

**Vacation Relaxation?**

- **Stress**
  - Try to finish everything before you leave
  - Worry about all the things you have to do when you get back
  - Briefly consider never going back
  - Realize there's more to life than work
  - Existential crisis

- **Vacation**
  - Start preparing your stuff
  - Wait until you leave
  - Get to your destination
  - Enjoy yourself

- **Back to normal**
  - Do that mean you're not going to do anything?
  - Put on more clothes

---

**When to Tell Your Advisor You're Going on Vacation**

- **Months before**
  - They'll forget the email as evidence.

- **Two weeks notice**
  - A bad idea
  - "You're leaving? Before you go, can you finish what you haven't done all year?"

- **The awkward period**
  - If you haven't told them how busy you are, you might as well wait until the night before.

- **The night before**
  - "I'm leaving soon; you'll have time to finish it!"
  - "I'm leaving soon; you'll have time to finish it!"

- **Vacation**
  - The vacation mid-way point
    - If you get to the airport
    - "Actually, I'm in another continent."
  - "I am!"

- **After the fact**
  - Overcompensate by sending out a lot of emails

---

**Why do you look so relieved?**

- "I'm going on vacation!"
- "And you?"
- "Me too!"
- "What, me?"
- "...and tanned."
- "What? Me?..."
**CARTOONS**

**CARTOONS SOURCES**
- https://cdn.andertoons.com/img/toons/cartoon7191.png
- http://phdcomics.com/comics/archive/phd051611s.gif
- http://phdcomics.com/comics/archive/phd092809s.gif
- http://phdcomics.com/comics/archive/phd080117s.gif
- https://xkcd.com/2001/
- https://xkcd.com/1999/

**CLICKBAIT-CORRECTED P-VALUE:**

\[ P_{CL} = P_{TRADITIONAL} \cdot \frac{\text{CLICK}(H)}{\text{CLICK}(H_0)} \]

**NULL HYPOTHESIS**

\( H_0: \text{"CHOCOLATE HAS NO EFFECT ON ATHLETIC PERFORMANCE"} \)

**ALTERNATIVE HYPOTHESIS**

\( H_1: \text{"CHOCOLATE BOOSTS ATHLETIC PERFORMANCE"} \)

**FRACTION OF TEST SUBJECTS**

\( \frac{\text{CLICK}(H)}{\text{CLICK}(H_0)} \): WHO CLICK ON A HEADLINE ANNOUNCING THAT \( H \) IS TRUE

**OUR RESEARCH SHOWS THAT, COMPARED TO THE OVERALL POPULATION, PEOPLE WHO AGREE TO PARTICIPATE IN SCIENTIFIC STUDIES ARE SIGNIFICANTLY LESS LIKELY TO CALL THE POLICE TO RESCUE THEM FROM OUR LAB.**