2017-01-09-in-class

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Your turn

- Discussion of Hauser, Stapel (~30 min)
- Review of TOP guidelines (~15 min)
- Getting started with R (~1 hr)

Discussing Hauser, Stapel

- Is busy-ness or carelessness a valid excuse or explanation?
- Is subsequent replication a valid excuse or explanation?
- How could other resesearchers avoid similar problems?
- Should every researcher collect video?

Verification bias examples from Flawed science: The fraudulent research practices of social psychologist Diederik Stapel

Review of TOP guidelines

- Look for journals you have/want to publish in among list of signatories
- For each guideline
  - What level of adherence do you currently practice?
  - What level do you aspire to practice?

Other initiatives

- Peer Reviewers Openness Initiative, https://opennessinitiative.org/
- Commitment to Research Transparency, http://www.researchtransparency.org/
- Public Domain Manifesto, http://www.publicdomainmanifesto.org/
- HT for these to http://www.simoncolumbus.com/publications-2/open-science-and-free-culture/

Getting started with R

- Total R novice? Free intro to R
- Intermediate R user?
  - Cleaning data in R
  - Data manipulation in R with dplyr
  - Data visualization with ggplot2
- Skilled SAS, SPSS, or Stata user? R for SAS SPSS and Stata users

Write-up (due start of next class)

1. Choose one of the verification bias examples from *Flawed Science*. In a paragraph or two, propose ways you might avoid this sort of bias in your own research.
2. Choose one of the TOP guideline categories where either your own research practices have room to improve or you are doing rather well. In a paragraph or two, explain your reasoning.
3. In a paragraph or two, describe your current knowlege of R and at least three learning goals you have for building upon it.

- Use sensible file name: psy511-anaya-2016-01-09-write-up.pdf