Falsified Academic Research

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Agenda

- -What is falsified academic research?
- -What makes this topic important?
- -How are companies and consumers affected?
- -Real Life Case
- -Motive: Why do people do what they do?
- -Relevant Careers and Companies

research, or in reporting research results" proposing, performing, or reviewing "Fabrication, falsification, or plagiarism in

- Office of Research Integrity (ORI), DHHS

What Is The Importance?

- Integrity crucial to progress
- Need for trust
- People believe what they read
- Danger to society
- Can't trust blindly
- Low replication rates
- Prominent = PLoS One Survey:
- 1.97% scientists admit to having falsified research
- 33.7% admit to questionable research practices
- 14.12% believe a colleague has falsified research
- 72% believe colleague has had questionable research practices



How Companies & Consumers Are Affected

- Wasted funding money
- Money to other research
- Dong Pyou Han HIV/Rabbit Blood
- Time being wasted
- Instead of duplicating false research, could be discovering something else
- In medicine...
- Delays creation of life saving treatments
- Prolongs use of ineffective/dangerous therapies

Leading Fraudulent Researchers

- 1. Yoshitaka Fujii (183 Retractions)
- 2. Joachim Boldt (92 Retractions)
- 3. Peter Chen (60 Retractions)
- 4. Diederik Stapel (55 Retractions)
- 5.Adrian Maxim (48 Retractions)

Source: RetractionWatch.com Retraction Leaderboard http://retractionwatch.com/retraction-watch-leaderboard/



Social comparisons are primary.

knowledge about the self by relag fromth thoughts. Be and behaviors to those aroung (new Blan 2000).

Wood, 1989). Indeed, over 1,03, wither Feinger's & seminal paper on social minarison, only (Festinger, 1954) countless experty in the behave, acted on the tit outcomes of the cy. officer, own that to contrast of the cy. of the contrast of the cy. of

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Reviews of the relevant literature have identified a number of moderators of whether social comparisons yield contrast or assimilation (for reviews see e.g., Mussweiler & Strack, 2000; Stapel & Suls, 2004).

Interestingly, even though studies on the self-evaluative consequences of social comparisons abound, the wast majority of these rutides have focused on the impact of social comparisons in situations that allow for relatively middlu and effortful processing (see Markman & McMailen, 2003; Suis & Whieder, 2006; Taylor & Lobel, 1999). Only recently have studies been published that explicitly investigate and compare more evenus less controllable social comparison effects (e.g., Gilbert, Gielset, & Morris, 1995; Pehlam & Wachsmath, 1995; Stapel & Blanton, 2004). Hence, we do not know much about the possible similarities and differences between social comparisons that are made when people limb land versus when people (can) hardly timbé about the social comparison information. Some have argued that when people are cognitively husy, assimilation is more likely (e.g., Pehlam & Wachsmath, 1995), whereas others have shown that contrast is more likely in such situations (e.g.,

Real Life Case



Source: TEDxBrainTrain, September 1st, 2013 "What I Lost: The importance of being connected."



Real Life Case

- 55 retracted papers
- **Most Notorious Retractions:**
- Vegetarians are less selfish
- discrimination
- 0 Female job applicants who took husband's name are less likely to be hired



to info 🕶

Alexander Dfouni <dfouni.a@husky.neu.edu>

Oct 9 (3 days ago)





Good afternoon Mr. Stapel,

your name. upon, feel free to acknowledge as many or as little as you prefer. We hope to share your side of the stories that mention experiences with this phenomenon with our peers. Here are a few questions/topic we believe you would be able to touch Massachusetts. Our group is doing a presentation on Falsified Academic Research we would love share your My name is Alexander Dfouni and I am in a Marketing Research class at Northeastern University in Boston,

-Who does Falsified Academic Research affect the most?

-What are the largest motives that lead one to committing Falsified Academic Research?

-What are one of the largest misunderstandings about you as a researcher?

Hopefully we will hear from you soon.

Kindest regards, Alexander Dfouni



Diederik Stapel

to me



good luck with your interesting project. the answers to tour questions, i think, can be found in my book "faking science" that is freely available on the internet. google nick brown faking science and you will find it. hi alexander,

bye,

diederik

www.diederikstapel.com written on my atari

:











to Diederik -

Hi Mr. Stapel,

Alexander Dfouni <dfouni.a@husky.neu.edu>

Oct 10 (2 days ago)







recieve a response from you as primary data to our research rather than secondary data from your book. We already have so much research on you, is there anything that you would tell us that we can quote in our presentation? Thank you for your fast response. We have already researched your book Faking Science. However, we would love to

Is there any general advice that you would give anyone anyone performing advanced research under pressure?

Alexander Dfouni Thank you very much,

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to me

Diederik Stapel

Oct 10 (2 days ago)







dare to criticize your superiors dont be afraid to tell on people when you suspect something fishy is going on

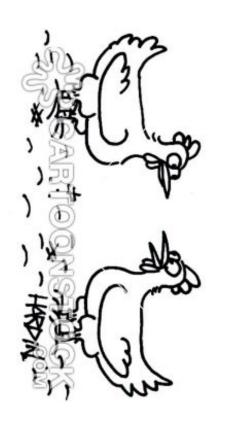
trust your own intuitions

and that is now destroying it. never believe anyone who thinks or says that science is business. it is not. science is science. it has become a business try to avoid working alone, always work in teams and make sure you are accountable as a team

science should be able to produce reproducable findings. what does it mean that they cannot reproduce their own project): psychology has a big, big problem. its status as proper science is questionable. psychologists who do proper take serious the fact that more than 50 percent of psychogical findings cannot reproduced (see the reproducibility findings? this is a big, big problem.

What's The Motive?

- Career Pressure
- "Publish or perish"
- The need to stand out
- Ease of fabrication
- Difficult for accurate reproductions
- Hard to get caught
- Decreasing government funds
- Desire for spotlight



"Just once I'd like to cross the road without anyone, "Questioning my motions."

Source: http://www.holypal. com/profiles/blogs/the-why-check-by-ovie-ukochovwera

Relevant Careers & Leading Companies

- The Office of Research Integrity (ORI)
- Department of Health and Human Services
- Fabrication, falsification, plagiarism
- Federal Government
- Government grant money -> fraud
- Federal Bureau of Investigation
- Plagiarism detection sites
- Turnitin, Elsevier, Springer
- Cornell Algorithm

Fake review detection







Questions?

Works Cited

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https://explorable.com/scientific-falsification

http://retractionwatch.com