

4 tips to make psychology on Twitter less irritating

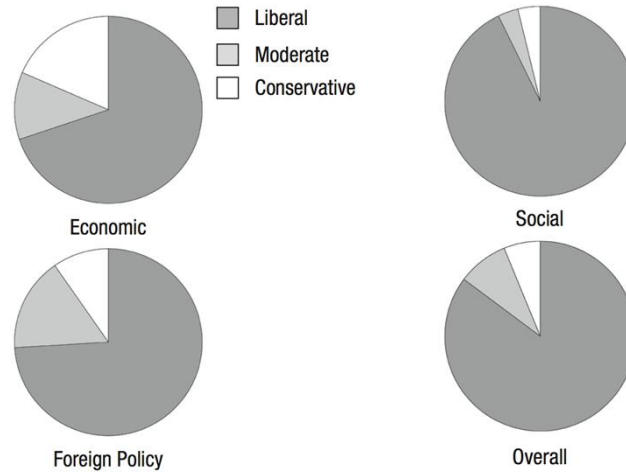
@StuartJRitchie

*Centre for Cognitive Ageing and Cognitive Epidemiology
The University of Edinburgh*

1. Beware the echo chamber

- p -values are worthless!
- Impact factors are awful!
- IQ testing is suspect!
- Genetics doesn't matter!
- Epigenetics rules!
- Evolutionary psychology is only just-so stories!
- There aren't any differences between males & females!
- Richard Dawkins is a complete prick!

Political views within social/personality psychology



Inbar & Lammers (2012) *Perspect. Psychol. Sci.*

Political views within social/personality psychology

Table 2. Stated Willingness to Discriminate Against Conservatives

Item	Self		Colleagues	
	M (SD)	Percentage of responses ≥ 4	M (SD)	Percentage of responses ≥ 4
Paper review	2.4 (1.3)	18.6	3.0 (1.5)	34.2
Grant review	2.5 (1.3)	23.8	3.0 (1.5)	36.9
Symposium invite	2.1 (1.3)	14.0	2.7 (1.5)	29.6
Hiring decision	2.9 (1.7)	37.5	3.4 (1.7)	44.1

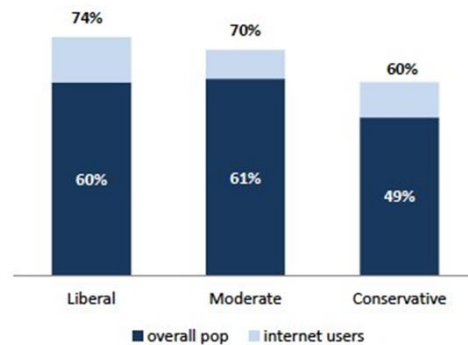
Note. All ratings were on scales from 1 (*Not at all*) to 7 (*Very much*), with the midpoint labeled 4 (*Somewhat*). All means differ significantly from 1 ($ps < .001$).

Inbar & Lammers (2012) *Perspect. Psychol. Sci.*

Political views on Twitter

Who uses social networking sites

% of liberals, moderates, and conservatives who use SNS



Source: Pew Research Center's Internet & American Life Project January 20-February 19, 2012 tracking survey. N for overall survey = 2,253. N for internet users = 1,729. Survey was conducted on landline and cell phones and in English and Spanish.

2. Think before you tweet

theguardian

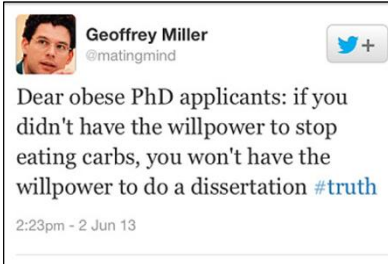
News | Sport | Comment | Culture | Business | Money | Life & style

News > Politics > David Cameron

David Cameron says sorry for 'twat' comment during radio interview

Tory leader apologises for any offence caused by remark about Twitter

2. Think before you tweet...



...but also resist the urge to pile on

UNM 'censures' professor over 'obese' tweet

ABCnews Seeker Education News

Like 36,618 people like this. Be the first of your friends.

3. Don't/do (?) be a 'replication bully'

PSYCHOLOGY

Replication effort provokes praise—and 'bullying' charges

Global network fails to confirm 10 of 27 psychology findings, but some call project an inquisition

Some replicators leaked news of their findings online, long before publication and in dismissive terms. On his personal blog, Donnellan described his effort to repeat Schnall's research as an "epic fail" in a December post titled "Go Big or Go Home," which was then widely circulated on Twitter. Donnellan defends the early announcement. "I feel badly, but the results are the results," he says.

Bohannon (2014) *Science*

4. Let's take this outside

High-Yield Cognitive Behavioral Techniques for Psychosis Delivered by Case Managers to Their Clients With Persistent Psychotic Symptoms

An Exploratory Trial

Douglas Turkington, MD, Mark Munetz, MD,† Jeremy Pelton, RMN,* Vicki Montesano, PhD,†
Harry Sivec, PhD,† Bina Nausheen, PhD,‡ and David Kingdon, MD‡*

CONCLUSIONS

Case managers can be trained in HYCBt-p and, with weekly supervision, can then safely and effectively deliver this intervention to patients with severe disability due to persistent psychotic symptoms. Although this study has limitations including an uncontrolled design and a relatively small sample size, this study represents a first attempt to train these techniques to frontline case management staff and will set the foundation for larger-scale, perhaps multicity, randomized controlled trials.

Turkington et al. (2014), *J Nerv Ment Dis*

TABLE 2. Cohen's *d* Effect Sizes With CIs for Primary and Secondary Outcomes

	Cohen's <i>d</i> Effect size (CI)
Auditory hallucinations	0.58 (−2.91 to 4.67)
Delusions	−0.07 (−1.36 to 1.46)
CPRS total	1.60 (−2.29 to 5.07)
CPRS negative symptoms	0.87 (−0.02 to 1.62)
CPRS schizophrenia	0.63 (−0.84 to 1.68)
CPRS anxiety	<u>0.72 (−0.35 to 1.73)</u>
CPRS depression	<u>1.12 (−0.35 to 1.73)</u>
PSP total	<u>−0.21 (−5.19 to 5.44)</u>
QPR intrapersonal	<u>−0.45 (−0.45 to 3.10)</u>
QPR interpersonal	<u>−0.40 (−1.40 to 0.67)</u>

Turkington et al. (2014), *J Nerv Ment Dis*

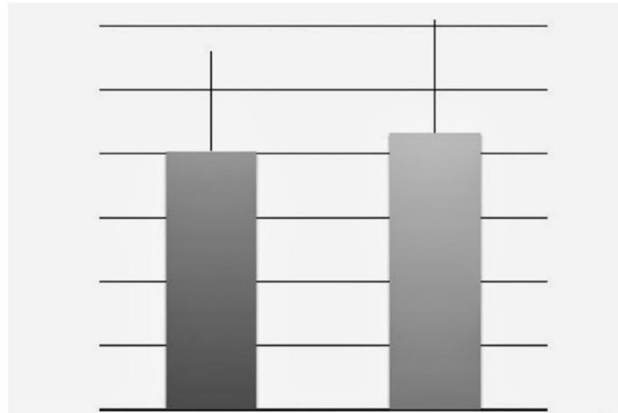


FIGURE 5. Histogram with standard error bars showing results on social functioning PSP total scores from beginning to end of therapy.

Keith R Laws @Ke... 33d
 This Table is still bugging me! Can anyone explain how these are signif & how QPR intra ES & its low CI are correct
pic.twitter.com/BGSqyPtEF

	Cohen's d (95% CI)
Baseline	-0.39 (-0.52, -0.26)
Post-treatment	-0.45 (-0.58, -0.32)
Follow-up	-0.45 (-0.58, -0.32)
ES	-0.45 (-0.58, -0.32)
QPR	-0.45 (-0.58, -0.32)
CI	-0.45 (-0.58, -0.32)

Open ↩ ↻ ⭐ ⋮

Tim Smits @TimS... 32d
 Shame on the authors, reviewers and editor for sloppy reporting of data.
[europepmc.org/abstract/MED/2... HT](http://europepmc.org/abstract/MED/2...)
 @Keith_Laws Wouldn't pass as a MA thesis

Daniël Lakens @lakens
 @Keith_Laws @asehelene Yes please. How can the QPR intrapersonal CI start at -0.45 when Cohen's d = -0.45. Isn't that a typo?

2:57pm · 14 Jan 14 · TweetDeck

Stuart Ritchie @... 32d
 @TimSmitsTim @lakens @Keith_Laws I lol'd at Figure 5. Nice axes!

From Twitter -> Published Critique

“We believe the above concerns mandate either an extensive correction, or perhaps a retraction, of the article by Turkington et al. (2014).”

Letter to the Editor

Statistical Errors and Omissions in a Trial of Cognitive Behavior Techniques for Psychosis: Commentary on Turkington Et Al.

Tim Smits, PhD., Daniel Lakens, PhD., Stuart J. Ritchie, PhD., Keith R. Laws, PhD.

The Reporting of Confidence Intervals in Exploratory Clinical Trials and Professional Insecurity.

Douglas Turkington, MD.

& don't forget the other ways to
comment...

Co-authors

- Tim Smits (University of Leuven)
– @TimSmitsTim
- Keith Laws (University of Hertfordshire)
– @Keith_Laws
- Daniël Lakens (Eindhoven University of Technology)
– @lakens

Those points again

1. Avoid the echo chamber
2. Count to 10 before pressing "Tweet" (but be kind to those who forget to do this)
3. Keep the discourse robust, but be fair
4. Twitter discussions of a paper needn't be the end of the matter

#Thanks