



Who is the author – more questions than answers

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Conflicts of interest

- ◆ Part-time paediatrician at Mehiläinen (6h/w)
- ◆ Positions in ethics committees
 - TENK (Finnish Advisory Board on Research Integrity)
 - FMA



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- ◆ Examples
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Example 1.

- ◆ Research group A needs specific kind of transgenic mice to complete a study
- ◆ Two options:
 - They create such mice for their own use
 - That would take 2 years / 30 000 euros
 - They accept samples from group B abroad and agree to list the names of the providers as authors
- ◆ What should A do?



Example 2.

- ◆ A and B conduct a small follow-up study
- ◆ They need some help in statistics and turn to C who spends 3 hours to do the job
- ◆ C is included as an author in the report
- ◆ Should C be included as an author?

Example 3: who is the author?

US firm accused of manipulating journal articles and paying millions to authors

Michael McCarthy

The US medical device company Medtronic was “heavily involved in drafting, editing, and shaping the content of medical journal articles authored by its physician consultants,” who were paid hundreds of millions of dollars by the company through royalties and consulting fees, a US Senate Finance Committee staff investigation has found.¹

Example 4: who is the author?

Potential conflicts of interest: Dr Papakostas has served as a consultant for Abbott Laboratories, AstraZeneca PLC, Avanir, Brainsway, Bristol-Myers Squibb, Cephalon, Dey Pharma LP, Eli Lilly, Genentech, GlaxoSmithKline, Evotec AG, H. Lundbeck A/S, Inflabloc, Jazz, Novartis AG, Otsuka, PAMLAB, Pfizer, Pierre Fabre, Ridge Diagnostics (formerly known as Precision Human Biolaboratories), Shire, Sunovion, Takeda, Theracos, and Wyeth; has received honoraria from Abbott Laboratories, AstraZeneca PLC, Avanir, Bristol-Myers Squibb, Brainsway, Cephalon, Dey Pharma LP, Eli Lilly, Evotec AG, GlaxoSmithKline, Inflabloc, Jazz, H. Lundbeck A/S, Meiji Seika, Novartis Pharma AG, Otsuka, PAMLAB, Pfizer, Pierre Fabre, Ridge Diagnostics, Shire, Sunovion, Takeda, Theracos, Titan, and Wyeth; has received research support from AstraZeneca PLC, Bristol-Myers Squibb, Forest, National Institute of Mental Health, PAMLAB, Ridge Diagnostics (formerly known as Precision Human Biolaboratories), Sunovion, and Theracos; and has served (not currently) on the speaker's bureau for Bristol-Myers Squibb and Pfizer. Drs Iovieno and Østergaard report no financial or other relationship relevant to the subject of this article.

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Sandhu, M.S., Ridker, P.M., Rader, D.J. & Kathiresan, S. 2012, "Novel loci for adiponectin levels and their influence on type 2 diabetes and metabolic traits: a multi-ethnic meta-analysis of 45,891 individuals", *PLoS genetics*, vol. 8, no. 3, pp. e1002607.

Example 6: too many papers?

Can a medical researcher have too many publications?

Anthony F Jorm

Med J Aust 2015; 203 (5): 230-231.

doi: 10.5694/mja15.00194

Article

Authors

References

Responses

[Add a response](#)

The most prolific researchers may not be adhering to authorship guidelines

Example 7: where does this lead to?

Pressure to ‘publish or perish’ may discourage innovative research, UCLA study suggests

The researchers’ conclusions are drawn from a database they assembled of more than 6 million scholarly publications in biomedicine and chemistry

Phil Hampton | October 08, 2015

Drawing on their analysis of scientific rewards, Foster and his colleagues argue that researchers who confine their work to answering established questions are more likely to have the results published, which is a key to career advancement in academia. Conversely, researchers who ask more original questions and seek to forge new links in the web of knowledge are more likely to stumble on the road to publication, which can make them appear unproductive to their colleagues. If published, however, these innovative research projects are more highly rewarded with citations. And scientists who win awards — especially major ones, like a Nobel Prize — have more of these innovative moves in their research portfolio.

Jacob G. Foster, Andrey Rzhetsky, and James A. Evans

Tradition and Innovation in Scientists' Research Strategies

American Sociological Review October 2015 80: 875-908, first published on September 1, 2015 doi:10.1177/0003122415601618

Example 8 : Inflation of authorship



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SCIENTIFIC
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AMERICAN SCIENTIFIC PUBLISHERS
Journal of Computational Intelligence and Electronic Systems
Phone: +86-24-83958379-807 Email: asp.jcies@gmail.com

July 23, 2014

Acceptance Letter

Dear Margaret Simpson, Kim Jong Fun, Edna Krabappel,

Congratulations! As a result of the reviews and revisions, we are pleased to inform you that your following paper has been formally accepted for publication in Journal of Computational Intelligence and Electronic Systems (<http://www.aspbs.com/jcies/>).

Example 9: Inflation of authorship



ACADEMIA

QUESTIONS TAGS USERS BADGES

Academia Stack Exchange is a question and answer site for academics and those enrolled in higher education. It's 100% registration required.

Can I add a baby as a co-author of a scientific paper?



Can I put the name of my baby as one of the co-authors of a scientific paper?

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I know it sounds disturbing, but it's a way of mine to protest against co-authors that haven't made any contribution (they haven't even read it or are part of the research area) to a paper, but they are part of the research group.



What are the legal / ethic concerns?



15

So technically I was writing the paper with my baby in my hand and the baby was talking with me in its own language. The baby even wrote a few characters in the paper when it managed to get near the keyboard while I was holding it.

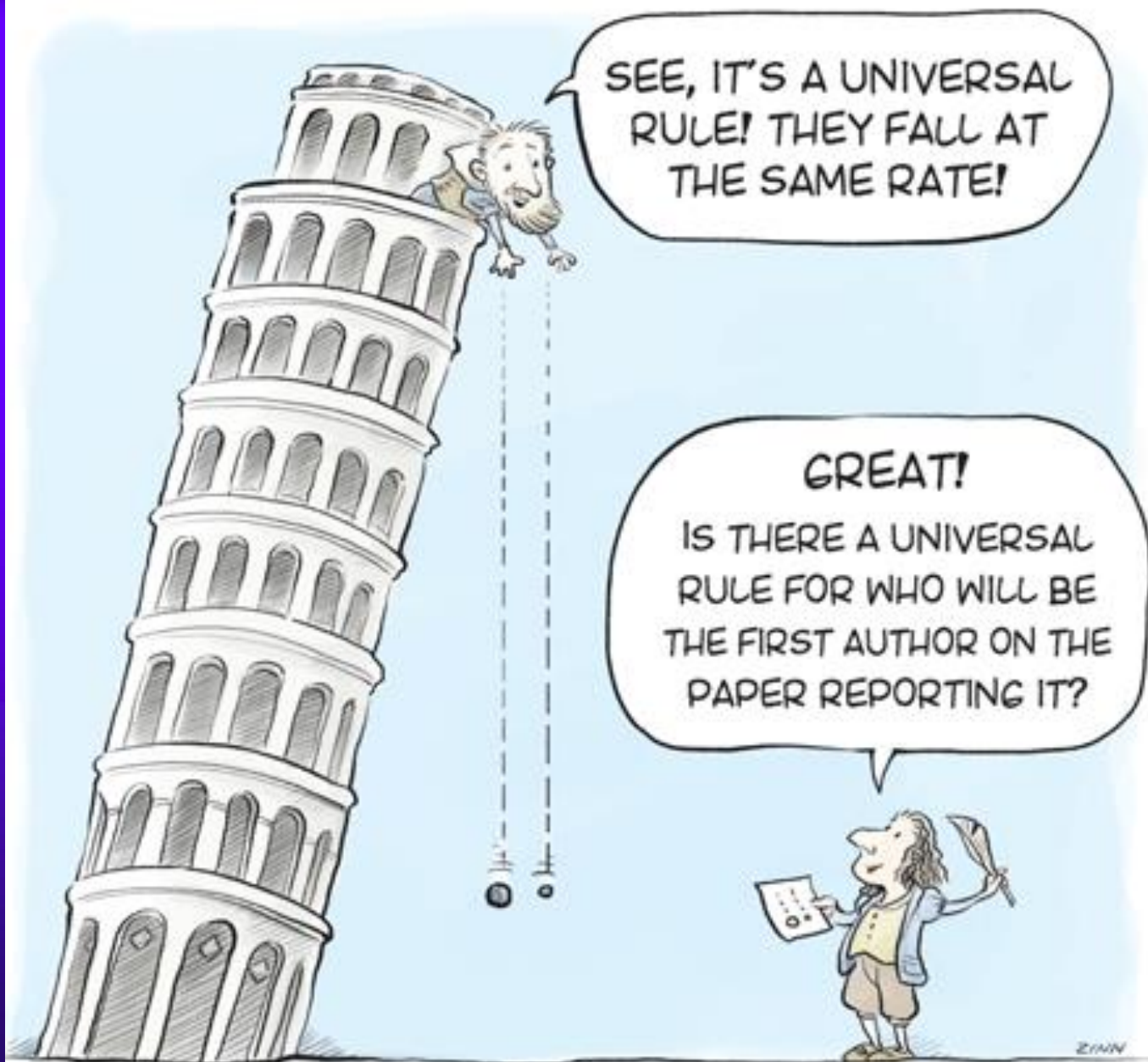
Example 10: you can see it in the brain

Journal Impact Factor Shapes Scientists' Reward Signal in the Prospect of Publication

Frieder Michel Paulus , Lena Rademacher, Theo Alexander Jose Schäfer, Laura Müller-Pinzler, Sören Krach 

Published: November 10, 2015 • DOI: 10.1371/journal.pone.0142537

The incentive structure of a scientist's life is increasingly mimicking economic principles. While intensely criticized, the journal impact factor (JIF) has taken a role as the new currency for scientists. Successful goal-directed behavior in academia thus requires knowledge about the JIF. Using functional neuroimaging we examined how the JIF, as a powerful incentive in academia, has shaped the behavior of scientists and the reward signal in the striatum. We demonstrate that the reward signal in the nucleus accumbens increases with higher JIF during the anticipation of a publication and found a positive correlation with the personal publication record (pJIF) supporting the notion that scientists have incorporated the predominant reward principle of the scientific community in their reward system. The implications of this behavioral





ICMJE CRITERIA

- ◆ **Substantial** contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; AND
- ◆ Drafting the work or revising it **critically** for **important intellectual** content; AND
- ◆ Final approval of the version to be published; AND
- ◆ Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.



Authorship misconduct

- ◆ Exclusion from authorship
- ◆ Gift authorship
- ◆ Ghost authorship
- ◆ Authorship achieved by coercion
- ◆ Unsolicited authorship
- ◆ Refusal to accept responsibility as an author when other misconduct is detected

Utopia

WIKIPEDIA

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5 010 000+ articles

Русский

Свободная энциклопедия

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Português

A enciclopédia livre

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Español

La enciclopedia libre

1 212 000+ artículos

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Die freie Enzyklopädie

1 875 000+ Artikel

Français

L'encyclopédie libre

1 696 000+ articles

中文



Linux

From Wikipedia, the free encyclopedia

This article is about the operating system. For the kernel, see [Linux kernel](#). For other

Linux (pronounced ⁱ/ˈlɪnəks/ *⁴⁵* or, less frequently, ⁱ/ˈlaɪnəks/ *⁵⁶*) is a **Unix-like** and mostly **POSIX-compliant**^[7] computer **operating system** (OS) assembled under the model of **free and open-source software** development and distribution. The defining component of Linux is the **Linux kernel**,^[8] an operating system kernel first released on 5 October 1991 by **Linus Torvalds**.^{[9][10]} The **Free Software Foundation** uses the name **GNU/Linux** to describe the operating system, which has led to some **controversy**.^{[11][12]}

But you cannot trust it?



SEPTEMBER 7, 2012

AN OPEN LETTER TO WIKIPEDIA

POSTED BY PHILIP ROTH

 Suosittele

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357

Dear Wikipedia,

I am Philip Roth. I had reason recently to read for the first time the Wikipedia entry discussing my novel “The Human Stain.” The entry contains a serious misstatement that I would like to ask to have removed. This item entered Wikipedia not from the world of truthfulness but from the babble of literary gossip—there is



Yes, but ...

Why Most Published Research Findings Are False

John P. A. Ioannidis

Published: August 30, 2005 • DOI: 10.1371/journal.pmed.0020124

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Abstract

Modeling the Framework
for False Positive
Findings

Bias

Testing by Several
Independent Teams

Corollaries

Most Research Findings
Are False for Most
Research Designs and
for Most Fields

Claimed Research
Findings May Often Be
Simply Accurate
Measures of the

Abstract

Summary

There is increasing concern that most current published research findings are false. The probability that a research claim is true may depend on study power and bias, the number of other studies on the same question, and, importantly, the ratio of true to no relationships among the relationships probed in each scientific field. In this framework, a research finding is less likely to be true when the studies conducted in a field are smaller; when effect sizes are smaller; when there is a greater number and lesser preselection of tested relationships; where there is greater flexibility in designs, definitions, outcomes, and analytical modes; when there is greater financial and other interest and prejudice; and when more teams are involved in a scientific field in chase of statistical significance. Simulations show that for most study designs and settings, it is more likely for a research claim to be false than true. Moreover, for many current scientific fields, claimed research findings may often be simply accurate measures of the prevailing bias. In this essay, I discuss the implications of these problems for the conduct and interpretation of research.



Kirsch

Source:
Zachary Lassiter
Disabilityandme.com

Thank you!