Je bent jong en je wilt wat? Betrouwbare kennis Chris Hartgerink @chartgerink



Wat willen jullie van de wetenschap?



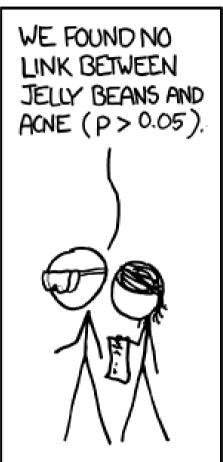
Wat hebben jullie de wetenschap te bieden?





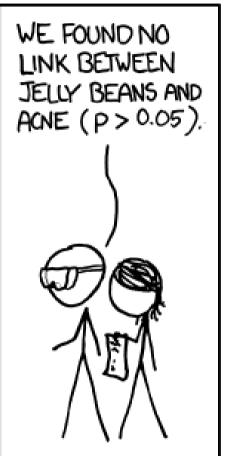


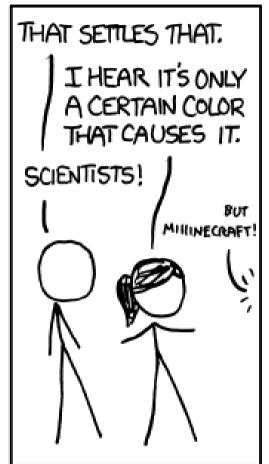




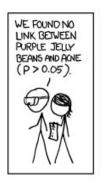








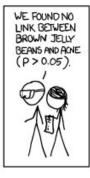




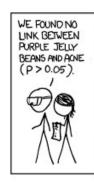
Slides: bit.ly/amsj-2017







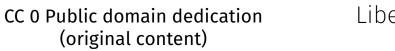




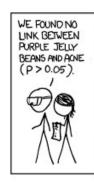


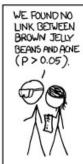
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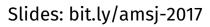








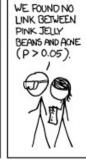






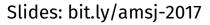




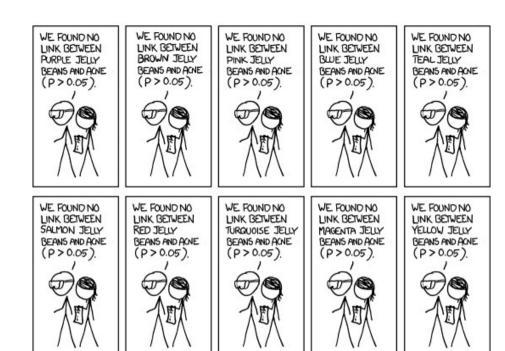


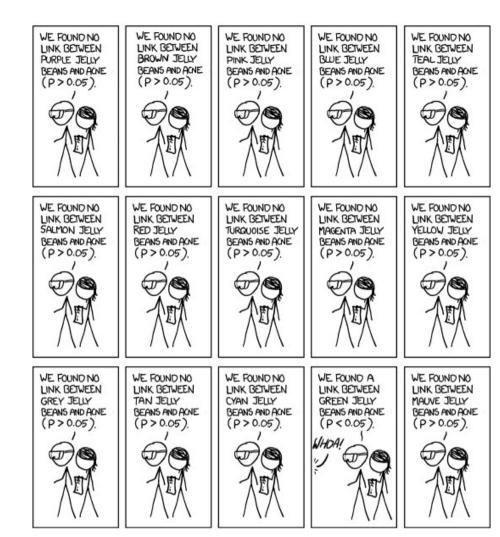


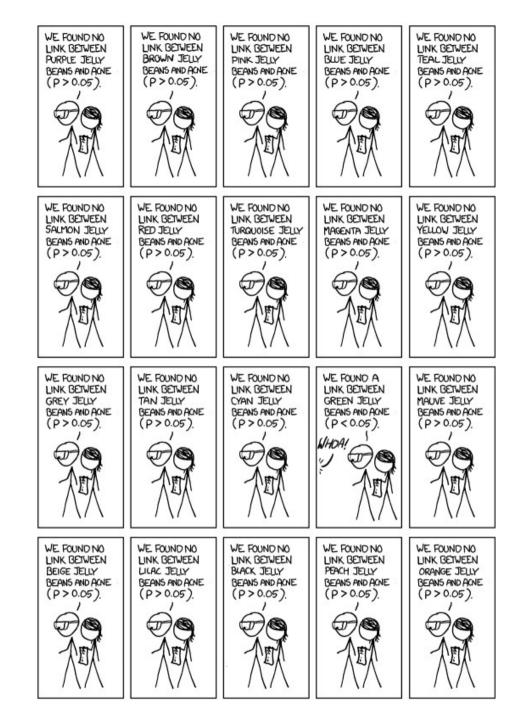




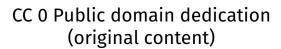




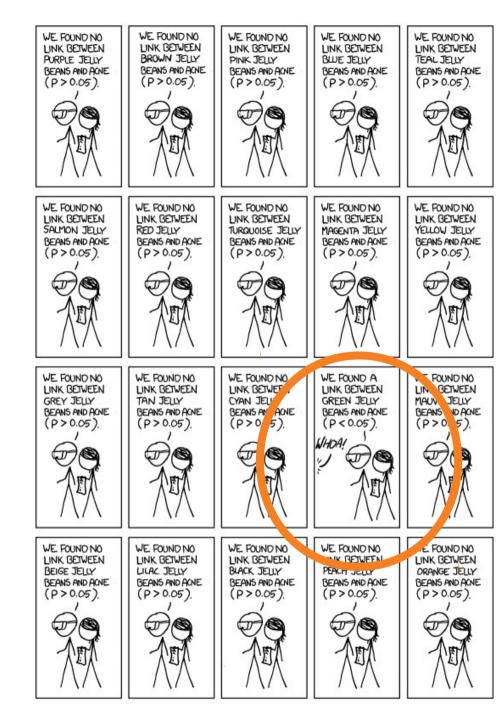


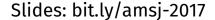


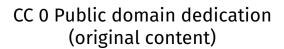














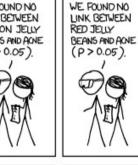


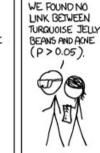






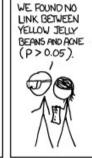


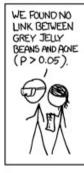


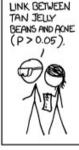




WE FOUND A







WE FOUND NO

WE FOUND NO

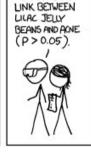


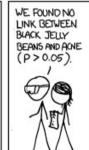
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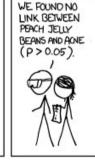




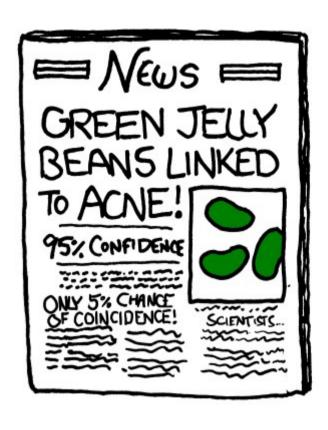








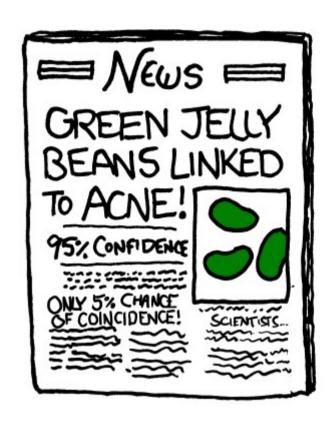




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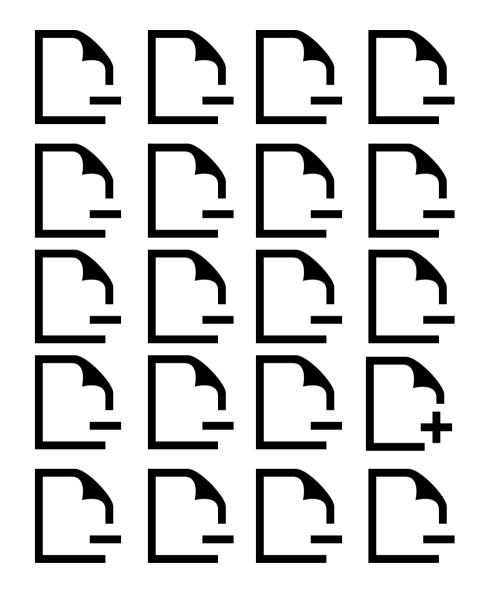
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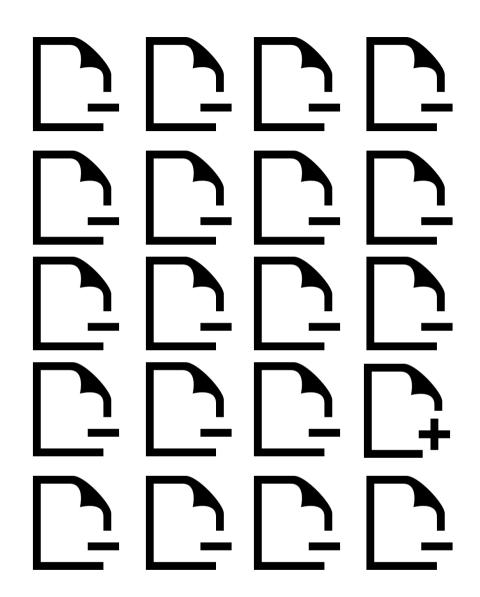






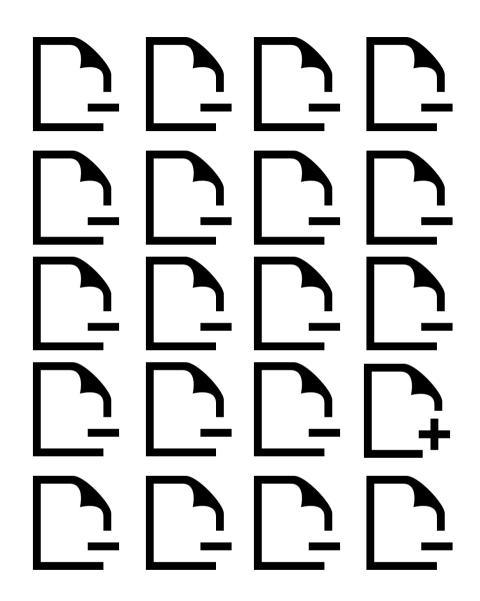






1. Niet efficient





- 1. Niet efficient
- 2. Selectief





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RESEARCH ARTICLE

Trial Publication after Registration in ClinicalTrials.Gov: A Cross-Sectional Analysis

Joseph S. Ross , Gregory K. Mulvey, Elizabeth M. Hines, Steven E. Nissen, Harlan M. Krumholz

Published: September 8, 2009 • https://doi.org/10.1371/journal.pmed.1000144





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(en nog minder als commercieel onderzoek)



- 1. Niet efficient
- 2. Selectief



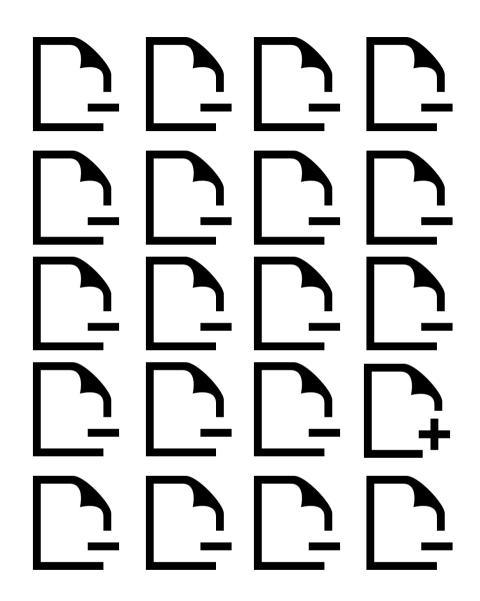


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Publication bias 2. Selectief

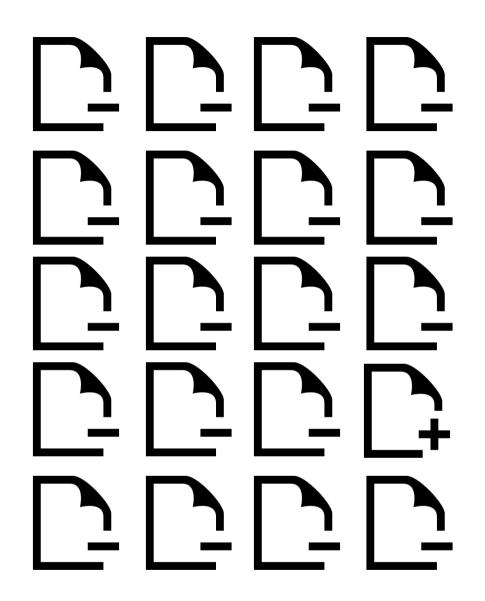






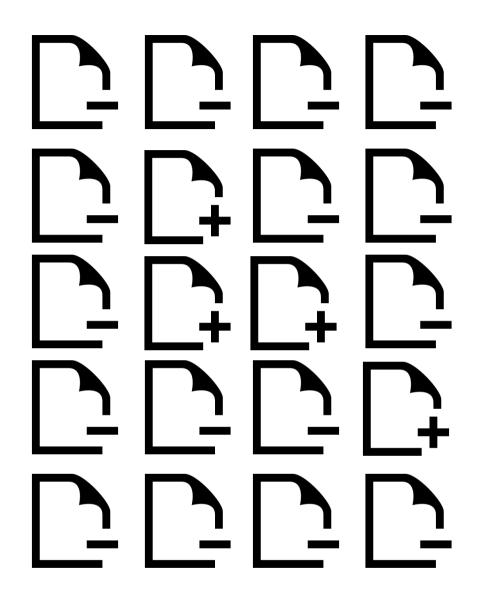
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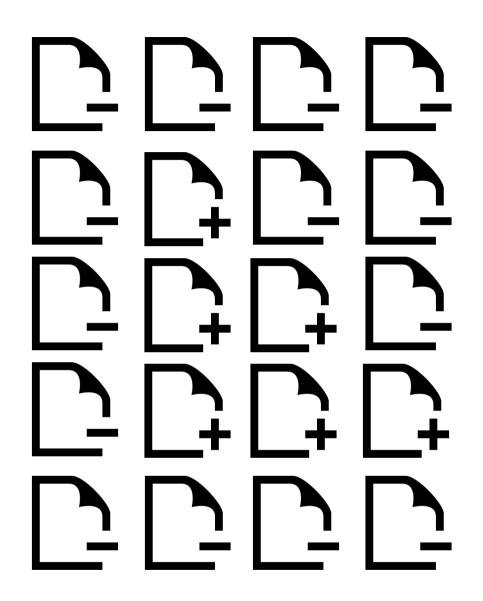
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- 3. P-hacking





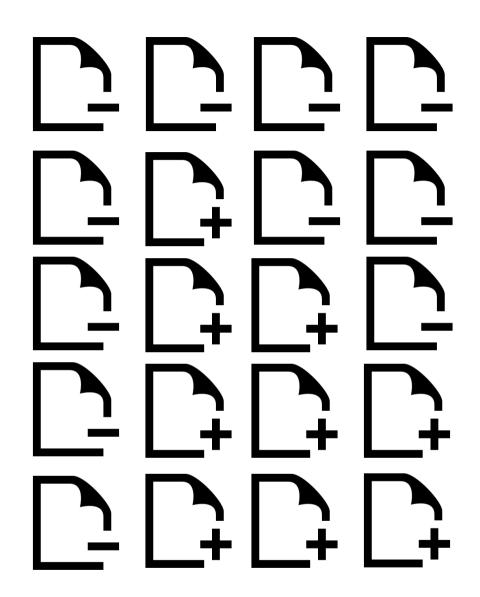
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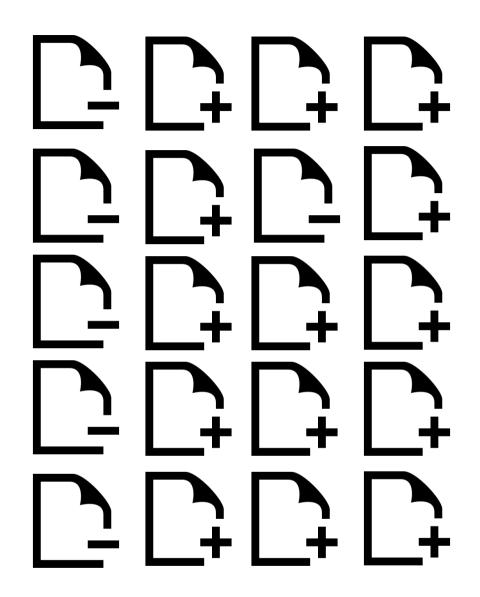
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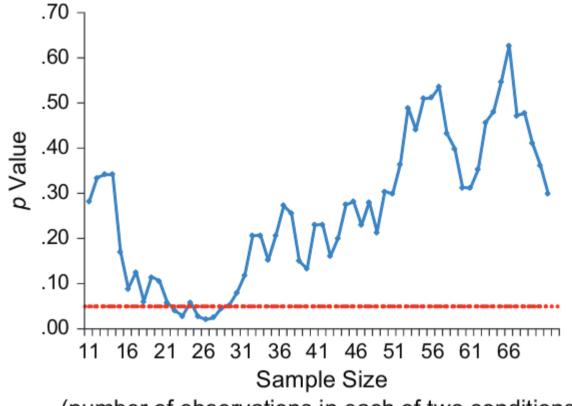
- 1. Niet efficient
- 2. Selectief
- 3. P-hacking





- 1. Niet efficient
- 2. Selectief
- 3. P-hacking





(number of observations in each of two conditions)



Naief realisme

Als we het kunnen meten en observeren, moet het wel waar zijn

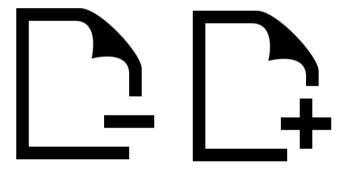


Resultaat

Evalueren onderzoek op verkeerde manier



Wat is betrouwbaar onderzoek?





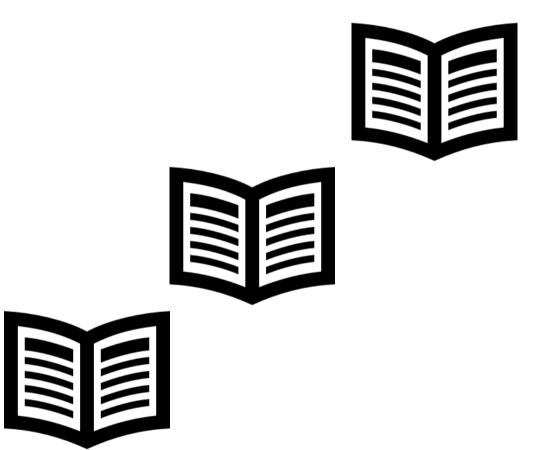


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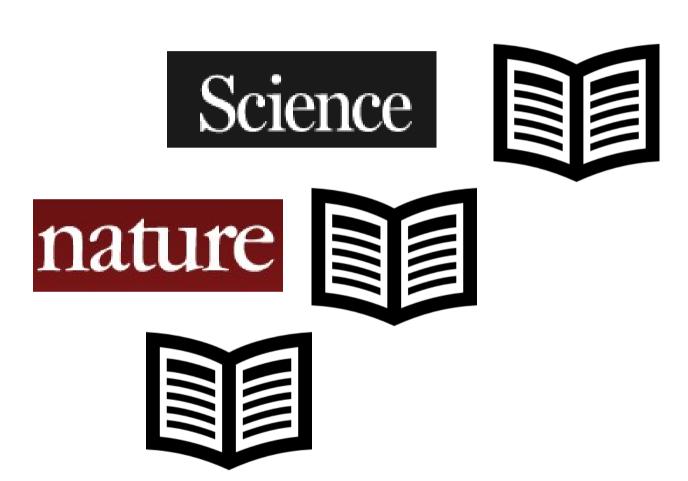


Waar lees je het betere onderzoek?

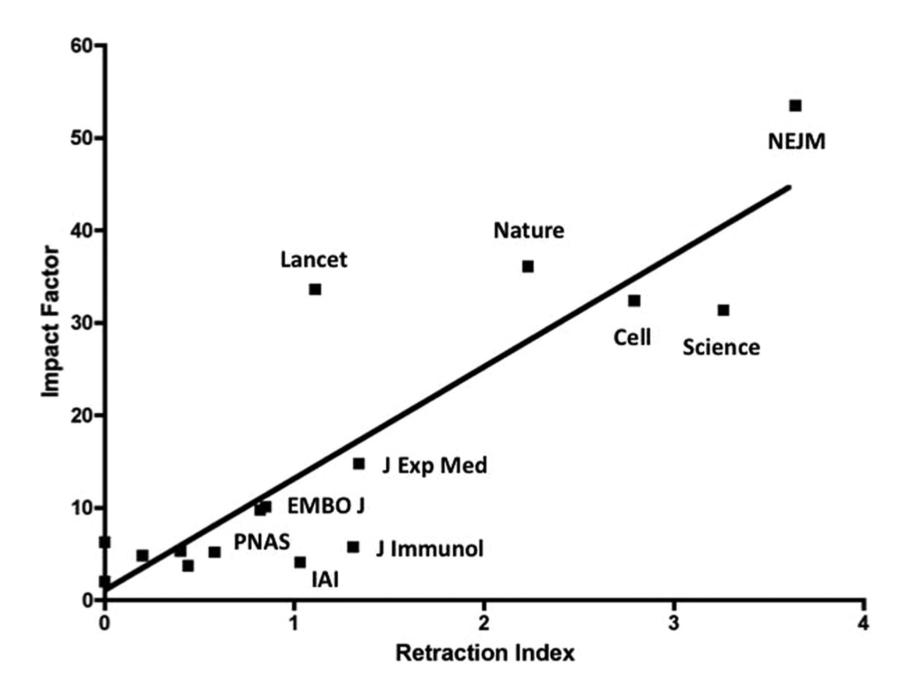




Waar lees je het betere onderzoek?





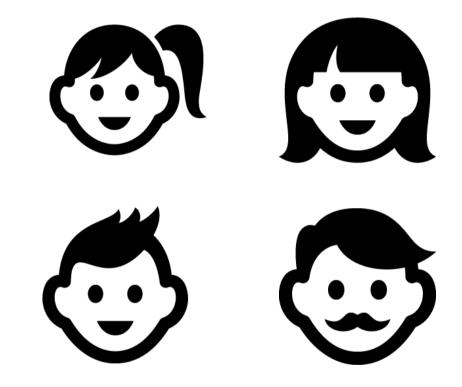


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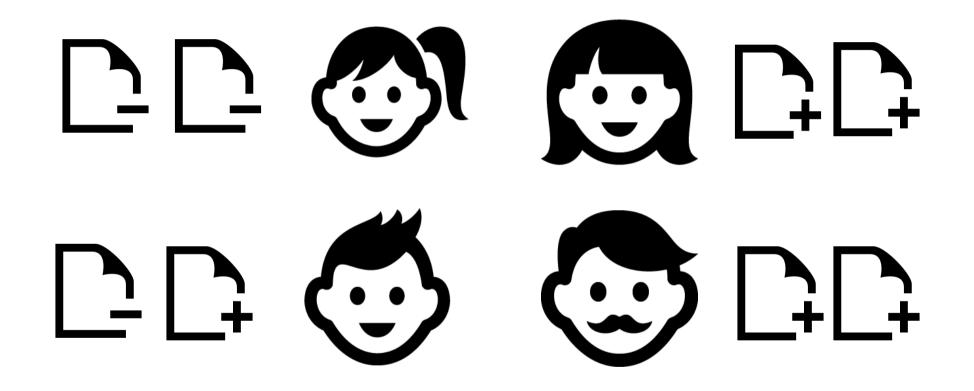


Wie is de betere onderzoeker?



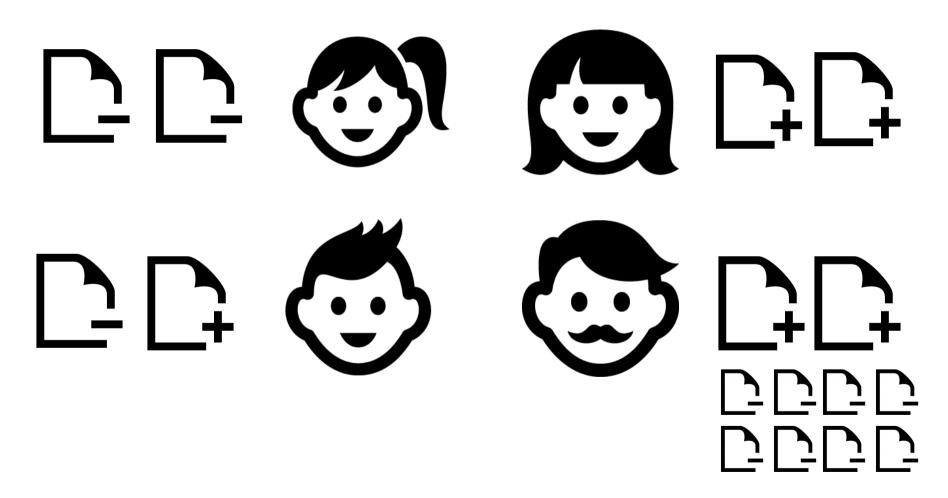


Wie produceert de betere kennis?





Wie produceert de betere kennis?

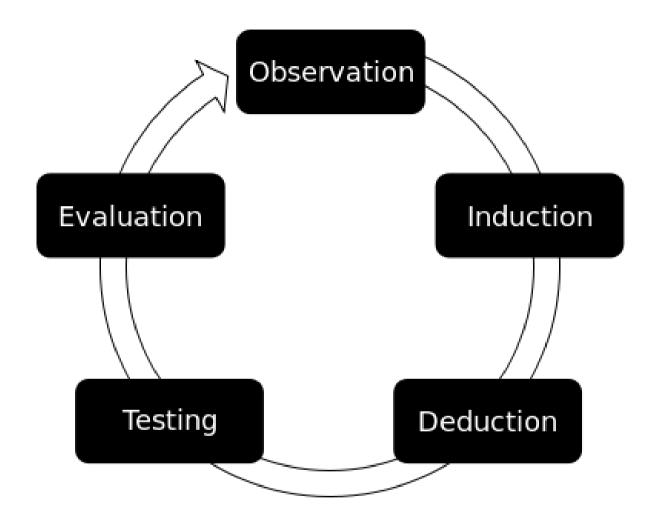




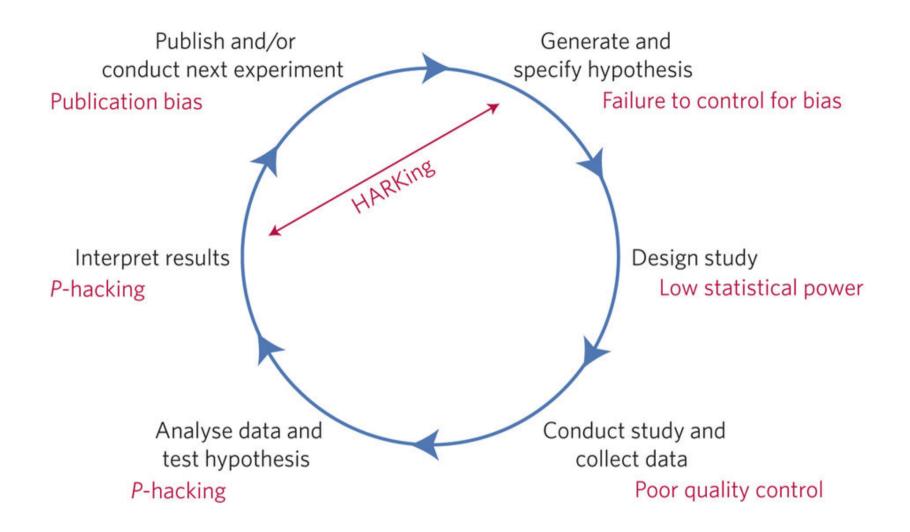
Oftewel

Wetenschapsevaluatie beinvloed geproduceerde kennis











Take aways

- Beoordeel onderzoek op methoden, niet resultaten
- Wees bewust van het feit dat professoren e.d. vaak niet bewust zijn van deze problemen
- Let op je menselijke falen als wetenschapper
- Wetenschap draait niet alleen om jou.



Sluit aan bij een nieuwe generatie die wetenschap beter probeert te doen libscie.org

