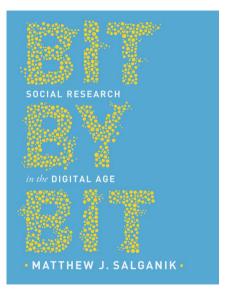
[What, why, and which experiments?], [Moving beyond simple experiments], [Making it happen], [Zero variable cost data and MusicLab], [3 Rs]

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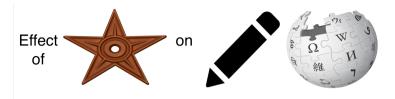


- 1) Introduction
- 2) Observing behavior
- 3) Asking questions
- 4) Running experiments
- 5) Mass collaboration
- 6) Ethics
- 7) The future

Experimental Study of Informal Rewards in Peer Production

Michael Restivo*, Arnout van de Rijt

https://doi.org/10.1371/journal.pone.0034358



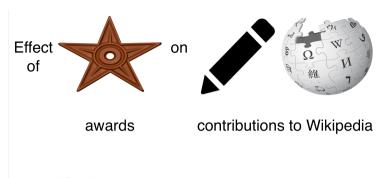
awards

contributions to Wikipedia

https://en.wikipedia.org/wiki/File:Wikipedia-logo-v2.svg

https://oommons.wikimedia.org/wiki/File:Original_Barnstar_Hires.png

http://www.flaticon.com/free-icon/pencil-edit-button_61456

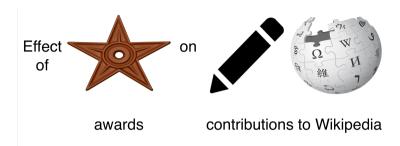


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▶ People who received barnstar edited less afterwards

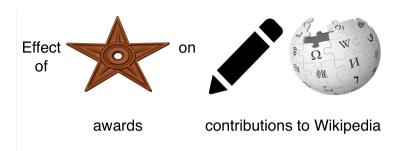


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- ▶ People who received barnstar edited less afterwards
- ▶ People in control group edited even less



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- ▶ People who received barnstar edited less afterwards
- ▶ People in control group edited even less
- Not having a control group would lead to exactly the wrong conclusion



What's the same?

- recruiting participants
- ▶ randomization treatment
- delivering treatment and control
- measuring outcomes

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What's different?

▶ Fully digital experiment leads to zero variable cost data.

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What's different?

- ▶ Fully digital experiment leads to zero variable cost data.
- Constraint on size is not cost, it is ethics.

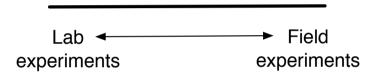
A note on terminology:

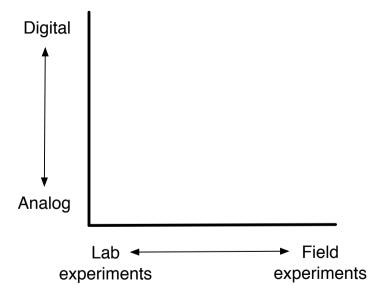
Perturb and observe experiments vs randomized controlled experiments

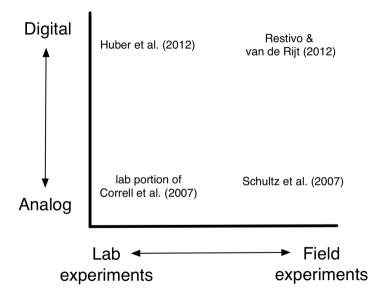
"It's like you don't harass women, you don't steal, and you've got to have a control group. This is one of the things that you can lose your job for at Harrah's not running a control group." Gary Loveman, CEO Harrah's

"It's like you don't harass women, you don't steal, and you've got to have a control group. This is one of the things that you can lose your job for at Harrah's not running a control group." Gary Loveman, CEO Harrah's

- ► Sometimes we create a randomized controlled experiment by creating a treatment group
- ► Sometimes we create a randomized controlled experiment by creating a control group







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