

Workshop (Via Zoom)

Endorsing open-science and supporting a science “credibility revolution”: Challenges, benefits, and practical tools and tips for early career and experienced researchers

4:00 p.m. – 7:00 p.m. | March 22, 2021 (Monday)



Dr. Gilad Feldman
Assistant Professor
Department of Psychology
The University of Hong Kong

Abstract

In this 3-hour workshop, I aim to help researchers better understand and consider endorsing open-science. I will introduce the current challenges in science and the need for a “credibility revolution”, for us to self-reflect, assess, and improve our science practices. I will then outline the main challenges, possible pitfalls, and potential benefits in doing open-science. Finally, I will briefly demonstrate an array of practical tools and practices that researchers can undertake in their own research. I will share my own journey and my experience regarding open-science, in training undergraduates in coursework, supervising guided thesis students, and working with our growing early career researcher network.

Open-science topics covered:

- Pre-registrations, power analyses and Registered Reports (briefly, covered in depth in a [separate workshop](#))
- Replications and extensions (briefly, covered in depth in [a separate workshop](#))
- High-quality open peer review, assessments of existing research, and red-teams
- Openly sharing research workflow, datasets, and code
- Open collaboration and community: contributorship ([CRediT](#) Contributor Roles Taxonomy)
- Meta-science
- Change in assessment of researchers (hiring, promotion, impact)
- Move to and support of community open source tools (e.g., R/JAMOVI/JASP, etc.)
- Preprints and a bit about open access

Previous open-science workshops can be found on:

<https://www.youtube.com/playlist?list=PLRAF6P3W1K4cvLnkXXHb0jFUR-OwVcJ9k>

Open science tools and resources developed: <https://mgto.org/pre-registered-replications/#getinvolved>

Suggested readings:

1. Moher, D., Bouter, L., Kleinert, S., Glasziou, P., Sham, M. H., Barbour, V., ... & Dirnagl, U. (2020). [The Hong Kong Principles for assessing researchers: Fostering research integrity](#). *PLoS Biology*, 18(7), e3000737.
2. Allen, C., & Mehler, D. M. (2019). [Open science challenges, benefits and tips in early career and beyond](#). *PLoS biology*, 17(5), e3000246.
3. Kathawalla, U. K., Silverstein, P., & Syed, M. (2021). [Easing Into Open Science: A Guide for Graduate Students and Their Advisors](#). *Collabra: Psychology*, 7(1).
4. Pownall, M., Talbot, C. V., Henschel, A., Lautarescu, A., Lloyd, K., Hartmann, H., ... Siegel, J. A. (2020, October 13). [Navigating Open Science as Early Career Feminist Researchers](#). <https://doi.org/10.31234/osf.io/f9m47>
5. McKiernan, E. C., Bourne, P. E., Brown, C. T., Buck, S., Kenall, A., Lin, J., ... & Yarkoni, T. (2016). [Point of view: How open science helps researchers succeed](#). *elife*, 5, e16800.
6. Kowalczyk, O., Lautarescu, A., Blok, E., Dall'Aglio, L., & Westwood, S. (2020). [What senior academics can do to support reproducible and open research: a short, three-step guide](#).

Please do go over the resources and prepare questions you'd like me to address in the workshop.

Feel free to email me in advance at gfeldman@hku.hk if there's a specific concern or practicality you'd like me to address.

Register in advance for this meeting: https://hku.zoom.us/meeting/register/tJMvc-2vqjsuH9L5yguarp-Dl04g5_fayRbj

After registering, you will receive a confirmation email containing information about joining the meeting.

~All are Welcome~

Enquiry: gfeldman@hku.hk | Dr. Gilad Feldman