

Suggested Readings

Reproducibility comes in several different forms

1. Reproducibility of methods
2. Reproducibility of results
3. Reproducibility of inferences

Slides from ICML reproducibility workshop

<https://sites.google.com/view/icml-reproducibility-workshop/home/slides?authuser=0>

Talks and Abstract from reproducibility workshop

<https://sites.google.com/view/icml-reproducibility-workshop/home/talks-and-abstracts?authuser=0>

Submitted and accepted papers at the reproducibility workshop

<https://openreview.net/group?id=ICML.cc/2017/RML>

Reproducibility

1. Reproducibility of Deep Reinforcement Learning methods, <https://www.openreview.net/forum?id=BJNuErQX-¬Id=BJNuErQX->
2. half of psychology studies fail reproducibility test, <https://www.nature.com/news/over-half-of-psychology-studies-fail-reproducibility-test-1.18248>
3. How to better create reproducible results. <https://dl.acm.org/citation.cfm?id=2213908>
4. P-hacking and why many of the published research is wrong, <https://www.youtube.com/watch?v=42QuXLucH3Q>
5. Article on statistical significance, <https://www.nature.com/articles/s41562-017-0189-z.epdf>
6. <http://www.nature.com/news/how-scientists-fool-themselves-and-how-they-can-stop-1.18517>
7. Improving reproducibility, <https://www.youtube.com/watch?v=xGLF6oIIZYY&t=25s>

Tools and Softwares that helps to reproduce research

1. Coda Lab, <http://codalab.org/>
2. <https://www.beat-eu.org/platform/>
3. Platforms, <http://coco.gforge.inria.fr/>

Other attempts in making research more reproducible

1. <https://rescience.github.io/>
2. The reproducibility project, <http://www.nature.com/news/cancer-reproducibility-project-releases-first-results-1.21304>
3. ACM Sigmod reproducibility <http://db-reproducibility.seas.harvard.edu/>
4. Journal of Statistical Software, <https://www.jstatsoft.org/pages/view/mission>