ML Reproducibility Challenge 2020

Welcome to the ML Reproducibility Challenge 2020! This is already the fourth edition of this event (see V1, V2, V3), and we are excited this year to announce that we are broadening our coverage of conferences and papers to cover several new top venues, including: NeurIPS, ICML, ICLR, ACL, EMNLP, CVPR and ECCV.

The primary goal of this event is to encourage the publishing and sharing of scientific results that are reliable and reproducible. In support of this, the objective of this challenge is to investigate reproducibility of papers accepted for publication at top conferences by inviting members of the community at large to select a paper, and verify the empirical results and claims in the paper by reproducing the computational experiments, either via a new implementation or using code/data or other information provided by the authors.

All submitted reports will be peer reviewed and shown next to the original papers on Papers with Code. Reports will be peer-reviewed via OpenReview. Every year, a small number of these reports, selected for their clarity, thoroughness, correctness and insights, are selected for publication in a special edition of the journal ReScience. (see J1, J2).

News

- All EMNLP accepted 2020 papers (main conference) are available to claim on OpenReview.
- All NeurIPS accepted 2020 papers are available to claim on OpenReview.
- Comments are now enabled on all listed papers. Authors of listed papers can now subscribe to recieve notifications about claims and comments on their papers!

Invitation to participate

The challenge is a great event for community members to participate in shaping scientific practices and findings in our field. We particularly encourage participation from:

- Course instructors of advanced ML, NLP, CV courses, who can use this challenge as a course assignment or project. Submit your course information here and we will feature your course below!
- Organizers of hackathons.
- Members of ML developer communities
- ML enthusiasts everywhere!

Participating courses

- Machine Learning CS-433, EPFL, Switzerland
- Human in the loop machine learning, Epita, France
- Deep Learning, Brown University, USA
- Applied Machine Learning COMP 551, McGill University, Canada
- Fairness, Accountability, Confidentiality and Transparency in AI, University of

Amsterdam, Netherlands
- IFT 6268 - Self-supervised Representation Learning, Université de Montréal, Canada
- CS691 Advanced Machine Learning, Indian Institute of Technology, Gandhinagar, India

Key dates

- Announcement of the challenge : **September 4th, 2020**
- Challenge goes LIVE : **September 23rd, 2020**
- Early submission deadline (encouraged, before NeurIPS) : **December 4th, 2020 (11:59PM PDT)**
- Late submission deadline (to be considered for peer review) : **January 29th, 2021 (11:59PM PDT)**
- Author Notification deadline for journal special issue: **March 30th, 2021**

How to participate

- Check the Registration page for details on claiming an accepted paper from our OpenReview Portal, and then start working on it.
- Check the Task Description page for more details on the task description
- Check the Resources page for available resources
- You can find answers to common question in our Frequently Asked Questions section.
- Keep an eye on the Important dates and deadlines
- Submit your report in the same OpenReview Portal

Contact Information

- For general queries regarding the challenge, mail us at reproducibility.challenge@gmail.com
- For sponsorship and media related queries, mail us at reproducibility.challenge@gmail.com

Organising committee

- Koustuv Sinha (McGill University / FAIR)
- Joelle Pineau (McGill University / FAIR)
- Jessica Forde (Brown University)
- Jesse Dodge (Allen Institute for AI)
- Sasha Luccioni (Université de Montréal / Mila)
- Robert Stojnic (Papers with Code / FAIR)

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