

# NeurIPS 2021 Competition and Demonstration Track

## Revised Selected Papers

**Douwe Kiela\***  
*Hugging Face, Inc.*

DOUWE@HUGGINGFACE.CO

**Marco Ciccone**  
*Politecnico di Torino*

MARCO.CICCONE@POLITO.IT

**Barbara Caputo**  
*Politecnico di Torino*

BARBARA.CAPUTO@POLITO.IT

**Editors:** Douwe Kiela, Marco Ciccone & Barbara Caputo

The Competition and Demonstration Track at NeurIPS is meant to gather like-minded researchers around important research topics and showcase important work that does not necessarily fit into the format of a standard paper. The goal is to facilitate community building, help people learn and gain valuable hands-on experience, and use our skills to have a real-world impact on important and challenging problems. Over the years, the track has grown into an established forum for allowing researchers to interact with each other and with cutting-edge technology.

The Competitions, in their fifth iteration at NeurIPS in this edition, present a set of structured high-impact challenges for accomplished researchers and practitioners in Machine Learning. Participants work together to make progress on these challenges, form a close-knit community for learning, and contribute to advancing the state-of-the-art in the field. The Demonstrations offer a way to showcase machine learning applications in an interactive setting. Often, but not necessarily, they concern systems for which the traditional format of a research paper is relatively ill-suited.

This volume encompasses the competitions and demonstrations held and presented at NeurIPS 2021. It constitutes a snapshot of what happened during the Competitions and Demonstrations Track at the conference. Competition organizers were asked to submit a broad overview of their competition, how it was organized, and to discuss the winning solutions, where applicable. Demonstration organizers were asked to give a short overview, in writing, of the demo, how it functioned and what could be learned from it. We hope you enjoy the work covered in this volume and that you consider participating in future editions of this track at NeurIPS.

### Acknowledgments

We are grateful to the program committee for their hard work and valuable contributions. For competitions: Alexander I. Rudnicky, Antoine Marot, Aravind Mohan, Bogdan Emanuel Ionescu, Candace Ross, Cecile Germain, Chiara Plizzari, David Kreil, David Rousseau, Emilio Cartoni, Ethan Perez, Evelyne Viegas, Florian Laurent, Gino Perrotta,

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\* Most of this work was done while DK was at Facebook AI Research.

Gregory Clark, Hamed Firooz, Heather Gray, Hsueh-Cheng (Nick) Wang, Hugo Jair Escalante, Isabelle Guyon, Jakob Foerster, Jared Markowitz, Jean-Roch Vlimant, Jochen Triesch, José Hernández-Orallo, Julian Zilly, Keiko Nagami, Kurt Shuster, Lino A Rodriguez Coayahuitl, Marco Cannici, Marco Gallieri, Mark Jordan, Matthew Crosby, Matthias Bruhns, Michael Noukhovitch, Mikhail Burtsev, Mikhail Hushchyn, Nicholay Topin, Noboru Kuno, Odd Erik Gundersen, Oliver Bent, Robert Perrotta, Ron Bekkerman, Ryan W Gardner, Sai Vemprala, Sekou L Remy, Sergio Escalera, Sewon Min, Sharada Mohanty, Stephanie Milani, Tathagata Chakraborti, Tim Taubner, Timothy Highley, Tom Kwiatkowski, Valentin Malykh, Wei Zhan, Zhen Xu, Zhengying Liu. For demonstrations: Abdullah Alomar, Angie W Boggust, Balaji Ganesan, Benjamin Hoover, Bilal Alsallakh, Boxin Du, Chandramouli Shama Sastry, Chin-Yi Cheng, Daniel R Harris, Daniel K Toyama, Denis A Gudovskiy, Heiko Ludwig, Hejia Zhang, Hendrik Strobelt, Hima Patel, Junior Rojas, Kexin Huang, Lihui Liu, Luca Rigazio, Mateen Ulhaq, Matthew O’Kelly, Narendra Nath Joshi, Narine Kokhlikyan, Sageev Oore, Sameer Singh, Sami Jullien, Shibl Mourad, Shounan An, Sören Laue, Stephanie Fu, Vincent Herrmann

In addition, we would like to thank Marc’Aurelio Ranzato, Mary Ellen Perry, Lee Campbell, Brian Nettleton, Emily Denton and Shakir Mohamed for their support before, during and after the conference.