DeepLo 2022

The 3rd Workshop on Deep Learning Approaches for Low-Resource NLP

Proceedings of the DeepLo Workshop

July 14, 2022

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Introduction

The NAACL 2022 Workshop on Deep Learning Approaches for Low-Resource Natural Language Processing (DeepLo) takes place on Thursday, July 22, in Seattle Washington, USA, immediately after the main conference.

Natural Language Processing is being revolutionized by deep learning. However, deep learning requires large amounts of annotated data, and its advantage over traditional statistical methods typically diminishes when such data is not available. Large amounts of annotated data simply do not exist for many low-resource languages. Even for high-resource languages it can be difficult to find linguistically annotated data of sufficient size and quality to allow neural methods to excel; this remains true even as few-shot learning approaches have gained popularity in recent years.

This workshop aims to bring together researchers from the NLP and ML communities who work on learning with neural methods when there is not enough data for those methods to succeed out-of-the-box. Specifically, it will provide attendees with an overview of new and existing approaches from various disciplines, and enable them to distill principles that can be more generally applicable. We will also discuss the main challenges arising in this setting, and outline potential directions for future progress.

Our program covers a broad spectrum of applications and techniques. It is augmented by invited talks from Yulia Tsvetkov, Sebastian Ruder, Graham Neubig, and David Ifeoluwa Adelani.

We would like to thank the members of our Program Committee for their timely and thoughtful reviews.

Colin Cherry, Angela Fan, George Foster, Gholamreza (Reza) Haffari, Shahram Khadivi, anyun (Violet) Peng, Xiang Ren, Ehsan Shareghi, Swabha Swayamdipta

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Sebastian Ruder, Google
Graham Neubig, Carnegie Mellon University
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13:30 - 12:15 *Lunch Break*

13:30 - 14:15 *Invited talk - Yulia Tsvetkov (In-person)*

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15:15 - 15:30 *Coffee Break*

15:30 - 16:15 *Invited talk - Graham Neubig (In-person)*

16:15 - 16:30 *Closing remark*