

Invitation: UoM NLP Reading Group @ Tue 21 Nov 2023 1pm - 2pm (NZDT) (qbao775@aucklanduni.ac.nz)

3 messages

Rui Xing <ruixing@student.unimelb.edu.au>
Reply-To: Rui Xing <ruixing@student.unimelb.edu.au>
To: qbao775@aucklanduni.ac.nz

17 November 2023 at 12:52

Welcome to University of Melbourne NLP Reading Group!

Zoom meeting on

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When

Tuesday 21 Nov 2023 · 1pm – 2pm (New Zealand Time)

Location

<https://unimelb.zoom.us/j/3829217131?pwd=Vy9zZFRpRTRPMXBREg4ZFFsa0ppQT09>

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Guests

Rui Xing- organiser
qbao775@aucklanduni.ac.nz

[View all guest info](#)

Reply for qbao775@aucklanduni.ac.nz

Yes

No

Maybe

More options

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4K

Qiming Bao <qbao775@aucklanduni.ac.nz>
To: Rui Xing <ruixing@student.unimelb.edu.au>

17 November 2023 at 14:09

Hi Rui,

Here is a brief introduction for my talk.

Qiming Bao UoM Invited Talk

Title: Assessing and Enhancing Language Models for Complex and Robust Logical Reasoning over Natural Language

Abstract: In recent years, the intersection of deep learning and symbolic logic reasoning has surfaced as a promising frontier in the realm of artificial intelligence. Existing language models are challenged to effectively perform complex logical reasoning in natural language, particularly when confronted with unbalanced distributions of reasoning depths in multi-step and real-world logical reasoning datasets. One main reason existing language models struggle with complex natural language reasoning is the lack of real-world, complex natural language reasoning datasets, and it is challenging to obtain reliable data from the web for building expansive training datasets. Furthermore, when large language models come out, they demonstrate evident improvement on the public logical reasoning datasets like ReClor, LogiQA and LogiQAv2, but whether this means those large language models have strong and robust logical reasoning ability remains to be seen. In light of these challenges, our research aims to address those pivotal questions.

Bio: Qiming Bao is a Ph.D. Candidate at the [Strong AI Lab](#), NAOInstitute, University of Auckland, New Zealand. His supervisors are Professor [Michael Witbrock](#) and Dr. [Jiamou Liu](#). His research interests include natural language processing and reasoning. He has over three years of research and development experience, and has published several papers in top conferences in the fields of AI/NLP/Reasoning, including [AAAI/EAAI](#), [ICLR](#), [ACL](#), [EACL](#), [LLM@IJCAI](#), and [IJCLR-NeSy](#). His method named [AMR-LDA](#) has achieved the **#1** ranking on a one of the most challenged logical reasoning reading comprehension leaderboards ([ReClor](#)) up to now, and two of his logical reasoning datasets called [PARARULE-Plus](#) and [AbductionRules](#) have been collected by [LogiTorch](#), [ReasoningNLP](#), [Prompt4ReasoningPapers](#) and [OpenAI/Evals](#). Qiming has given public guest talks at [Microsoft Research Asia](#), [Samsung AI Center Cambridge UK](#), and [IEEE VTS](#) on his main research topic, "Natural Language Processing and Reasoning".

Kind regards,

Qiming

[Quoted text hidden]

Rui Xing <ruixing@student.unimelb.edu.au>
To: Qiming Bao <qbao775@aucklanduni.ac.nz>

17 November 2023 at 15:26

Hi Qiming,

Thanks for your information and I've already advertised for you. See you soon!

Best wishes,

Rui Xing

[Quoted text hidden]

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Rui Xing

PhD Student

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<https://cis.unimelb.edu.au/people/students/rui-xing>