Quzhe Huang

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Education

Peking University, Wangxuan Institute of Computer Technology — Beijing, China
Ph.D. in Computer Science. Advisor: Prof. Yansong Feng and Prof. Dongyan Zhao — *Sep 2019 -*

Peking University, Department of Computer Science — Beijing, China
B.S. in Computer Science — *Sep 2015 - Jun 2019*

Research

- **Information Extraction**
  1. Empirically showed that determining the relation between entities in long texts only requires limited evidence, and proposed a method based on co-reference and multi-hop reasoning to select evidence sentences for document-level RE.[2]
  2. Designed a unified event temporal relation extraction framework, which could leverage the relations with sufficient data to assist the learning of other relations and quickly adapt to different relation definitions. (Under review)
  3. Pointed out the widely used document-level RE dataset has false negative problems, which resulted in the bias of favoring popular relations and entities for the models trained on it. And re-annotated a new dataset for a fair evaluation.[1]
  4. Proposed a method to prevent the model from ignoring the potentially important non-rationale words and not distinguishing the importance of different rationale words, when incorporating human rationales into neural networks. [3]

- **Analysis of Model and Dataset**
  1. An analysis of the recommend-revise annotation scheme, where existing models or knowledge bases are used to recommend candidate instances and annotators revise the recommendations. We find that in the revision stage, annotators cannot supplement adequate missing instances, which might cause bias in the constructed dataset and the models trained on the new dataset. [1]
  2. An empirical study of whether charge prediction models make judgments corresponds to the decision logic of judges. [4]
  3. An Investigation of the reason why machine reading comprehension models learn shortcuts. We find that it is due to the larger proportion of shortcut questions in training data. [5]

Publication

1. **Does Recommend-Revise Produce Reliable Annotations?** ACL 22
   Quzhe Huang, Shibo Hao, Yuan Ye, Shengqi Zhu, Yansong Feng, Dongyan Zhao
2. **Three sentences are all you need: Local path enhanced document relation extraction** ACL 21
   Quzhe Huang, Shengqi Zhu, Yansong Feng, Yuan Ye, Yuxuan Lai, Dongyan Zhao
3. **Exploring distantly-labeled rationales in neural network models** ACL 21
   Quzhe Huang, Shengqi Zhu, Yansong Feng, Dongyan Zhao
4. **Do Charge Prediction Models Learn Legal Theory?** Findings of EMNLP 22
   Zhenwei An*, **Quzhe Huang***, Cong Jiang, Yansong Feng, Dongyan Zhao
5. **Why Machine Reading Comprehension Models Learn Shortcuts?** ACL 21
   Yuxuan Lai, Chen Zhang, Yansong Feng, **Quzhe Huang**, Dongyan Zhao
6. **Towards context-aware code comment generation** Findings of EMNLP 20
   Xiaohan Yu, **Quzhe Huang**, Zheng Wang, Yansong Feng, Dongyan Zhao
7. **Rethinking Task-Specific Knowledge Distillation: Contextualized Corpus as Better Textbook** EMNLP 22
   Chang Liu, Chongyang Tao, Jianxin Liang, Tao Shen, Jiazhan Feng, **Quzhe Huang**, Dongyan Zhao
8. **Knowledge-enhanced Iterative Instruction Generation and Reasoning for Knowledge Base Question Answering** NLPCC 22
   Haowei Du, **Quzhe Huang**, Chen Zhang, Dongyan Zhao

Service

Reviewer of **ACL Rollings** since 2021.9; **ACL** 2022-2023, **EMNLP** 2022; **COLING** 2022, **EACL** 2023; **AAAI** 2023

Honors and Awards

- **President Scholarship**, Peking University, 2022
- **Uniqlo Scholarship**, Peking University, 2017
- **Panasonic Scholarship**, Peking University, 2016