Yuhang Ge

Phone: +86189-5698-3448 | Email: yuhangge@mail.hfut.edu.cn

EDUCATION

HEFEI UNIVERSITY OF TECHNOLOGY   Sep 2020 - Jun 2023

Computer Science and Technology Master School of Computer Science   Hefei

- Research Direction: NLP & Data Mining
- Tutor: Professor Xuegang Hu
- Laboratory: Key Laboratory of Knowledge Engineering with Big Data (Hefei University of Technology), Ministry of Education
- Professional-related Awards: The Third Prize of the Anhui Province "Big Data Technology and Artificial Intelligence Competition (2020)"
- On-campus Awards: The First Prize of People's Scholarship

SOUTHWEST FORESTRY UNIVERSITY   Sep 2016 - Jun 2020

Computer Science and Technology Bachelor Big Data and Intelligent   Kunming
Engineering

- GPA: 3.9 / 5.0 (Top 1)
- Recommended Postgraduate
- On-campus Awards: Outstanding Graduates of Yunnan Province in 2020; The First Prize of People's Scholarship;

PROFESSIONAL EXPERIENCE

Short Text Neural Topic Modeling (Python+Pytorch)   Jun 2021 - Dec 2021

- We propose a novel neural topic model InfoGTM leverage semantic graph with word relevance and sequential information to better resolve the sparsity problem of short texts.
- We develop a mutual information maximization mechanism to enhance the topic representation. As far as we know, this is the first attempt to employ the neural mutual information into the topic model.
- Experimental results on four benchmark datasets demonstrate that InfoGTM outperforms the state-of-the-art methods.

International Student Information Management System (Python+Django)   Jan 2018 - Jan 2019
(Online Running)

- A complete web student information management system based on Django framework, providing an information maintenance platform for international students to manage information within the school;
- The basic functions include: student basic information management, examination management, course management, grade management, publishing new courses or examinations, etc., and provides three roles (administrator-teacher-student) to log in;
- It has been provided to schools for free and has been running stably so far;

An efficient and simplified re-implement TextGCN (Python+Pytorch)   Dec 2020 - Dec 2020

- The TextGCN model is reproduced with Pytorch-geometric, which is more simplified and efficient than the code provided by the original paper.

A Bert-based Text Classification model (Python+Pytorch)   Oct 2020 - Oct 2020

- A simple text classification toy model, using DistilBert as the basic model and testing the performance of BERT as a feature extractor followed by LSTM in text classification.

Dotfile - Debian Hacking (Linux)   Feb 2017 - Jun 2020

- A clean and complete Debian configuration, which consists of only an X-server and a windows manager.

- The basic tool-box include: systemd auto-login, startx + i3-gaps + polybar, xterm + tmux, dmenu, emacs, vim and misc.

RESEARCH EXPERIENCE

- Y. Ge, X. Hu, P. Li, K. Yu and Y. Zou, "Enhancing Graph Variational Autoencoder for Short Text Topic Modeling with Mutual Information Maximization" in IJCAI, 2022 (2ndRound)
- Y. Zou, X. Hu, P. Li and Y. Ge, "Partial Multi-Label Learning with Noisy-Free Subspace Representation" in IJCAI, 2022 (2ndRound)

MISCELLANEOUS

- **Skills:** Chinese Writing (Proficient); PhotoShop (Proficient)
- **Languages:** English (CET-4 & CET-6), Chinese (Native)
- **Interests:** Go Game; Running; Photography;