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高效检索和筛选顶会论文的工具

李国趯 @Doragd

浙江大学计算机学院DMAC实验室



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我不做科研了！



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version **v0.1.0** Status **building** PRs **Welcome** stars **712** forks **75** issues **3 open** **Open in Colab**

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- <http://47.101.133.186/> (for Mainland in China)

Colab notebook: [here](#)

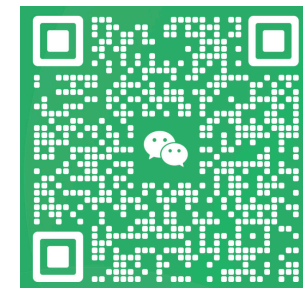
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Prompt-Based Rule Discovery and Boosting for Interactive Weakly-Supervised Learning

abstract

[Rongzhi Zhang](#) [Yue Yu](#) [Pranav Shetty](#) [Le Song](#) [Chao Zhang](#)

Weakly-supervised learning (WSL) has shown promising results in addressing label scarcity on many NLP tasks, but manually designing a comprehensive, high-quality labeling rule set is tedious and difficult. We study interactive weakly-supervised learning—the problem of iteratively and automatically discovering novel labeling rules from data to improve the WSL model. Our proposed model, named PRBoost, achieves this goal via iterative prompt-based rule discovery and model boosting. It uses boosting to identify large-error instances and discovers candidate rules from them by prompting pre-trained LMs with rule templates. The candidate rules are judged by human experts, and the accepted rules are used to generate complementary weak labels and strengthen the current model. Experiments on four tasks show PRBoost outperforms state-of-the-art WSL baselines up to 7.1%, and bridges the gaps with fully supervised models.

[ACL2022](#)[Code](#)[BibTeX](#)

An Information-theoretic Approach to Prompt Engineering Without Ground Truth Labels

abstract

[Taylor Sorensen](#) [Joshua Robinson](#) [Christopher Rytting](#) [Alexander Shaw](#) [Kyle Rogers](#) [Alexia Delorey](#) [Mahmoud Khalil](#) [Nancy Fulda](#) [David Wingate](#)

[ACL2022](#)[Code](#)[BibTeX](#)

Auto-Debias: Debiasing Masked Language Models with Automated Biased Prompts

abstract

[Yue Guo](#) [Yi Yang](#) [Ahmed Abbasi](#)

[ACL2022](#)[Code](#)[BibTeX](#)



和谷歌学术、arXiv和ReadPaper平台的差异点



工具定位：方便大家快速检索和筛选想看的顶会、顶刊论文

差异点	谷歌学术	arXiv	ReadPaper	AI-Paper-Collector
涵盖范围	大而全，混杂了很多非顶会、顶刊论文	包含了未发表的预印本论文	大而全，混杂了很多非顶会、顶刊论文	几乎包含了所有AI领域顶会、顶刊（2019-2022）
功能	检索，不支持导出论文列表，功能较为繁多	检索，不支持导出论文列表	功能繁多，包含各种功能，还可以查看原文	支持作者、标题检索，包含代码链接和摘要、支持导出论文列表
更新频率	快	快	不详	使用github action更新，快速便捷，支持issue方式自动提交新会议，新期刊
外观	复杂	复杂	复杂	简洁美观，一目了然

Q1：为什么只检索2019年至今的顶会顶刊？

对于新入门某个领域的同学，首先阅读近几年的顶会顶刊是比较有价值的。相比谷歌学术和arxiv等，不会检索到低质量或未同行评议的论文，能大大降低筛选论文的成本。

Q2：为什么只返回论文的标题(或标题+摘要)？

降低筛选成本，90%的论文只需阅读标题就可知道是否需要下载原文精读

Q3：为什么提供了导出论文列表功能？

将检索返回的高质量顶会论文列表导出成文件，方便后续下载原文仔细阅读。



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abstract

Rongzhi Zhang Yue Yu Pranav Shetty Le Song Chao Zhang 作者列表

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ACL2022 Code BibTeX 代码链接

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Auto-Debias: Debiasing Masked Language Models with Automated Biased Prompts

abstract

Yue Guo Yi Yang Ahmed Abbasi

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Sewon Min Mike Lewis Hannaneh Hajishirzi Luke Zettlemoyer 支持结果中检索：即同时包含 prompt 和 few shot 的论文

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Fantastically Ordered Prompts and Where to Find Them: Overcoming Few-Shot Prompt Order Sensitivity

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Yao Lu Max Bartolo Alastair Moore Sebastian Riedel Pontus Stenetorp

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Inverse is Better! Fast and Accurate Prompt for Few-shot Slot Tagging

abstract

Yutai Hou Cheng Chen Xianzhen Luo Bohan Li Wanxiang Che

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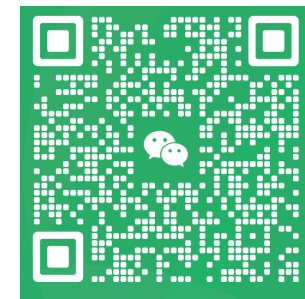
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 Yutai Hou Sanyuan Chen Wanxiang Che Cheng Chen Ting Liu
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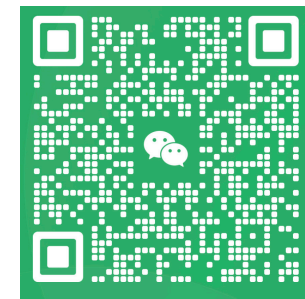
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 Yutai Hou Yongkui Lai Yushan Wu Wanxiang Che Ting Liu
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Co-GAT: A Co-Interactive Graph Attention Network for Joint Dialog Act Recognition and Sentiment Classification
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 Libo Qin Zhouyang Li Wanxiang Che Minheng Ni Ting Liu
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Few Shot Semantic Segmentation Papers awesome

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Integrative Few-Shot Learning for Classification and Segmentation	CVPR	PDF	CODE
Learning What Not to Segment: A New Perspective on Few-Shot Segmentation	CVPR	PDF	CODE
APANet: Adaptive Prototypes Alignment Network for Few-Shot Semantic Segmentation	TMM	PDF	-
MSANet: Multi-Similarity and Attention Guidance for Boosting Few-Shot Segmentation	arXiv	PDF	CODE

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TIP

On the Representation Collapse of Sparse Mixture of Experts

abstract

Zewen Chi

Li Dong

Shaohan Huang

Damai Dai

Shuming Ma

Barun Patra

Saksham Singhal

Payal Bajaj

Xia Song

Xian-Ling Mao

Furu Wei

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VLMO: Unified Vision-Language Pre-Training with Mixture-of-Modality-Experts

abstract

Hangbo Bao

Wenhui Wang

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Qiang Liu

Owais Khan Mohammed

Kriti Aggarwal

Subhojit Som

Songhao Piao

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MiniLM: Deep Self-Attention Distillation for Task-Agnostic Compression of Pre-Trained Transformers

abstract

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Hangbo Bao

Nan Yang

Ming Zhou

NIPS2020

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Unified Language Model Pre-training for Natural Language Understanding and Generation

abstract

Li Dong

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Self-Attention Attribution: Interpreting Information Interactions Inside Transformer

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Li Dong

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Ke Xu

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Cross-Lingual Natural Language Generation via Pre-Training

abstract

Zewen Chi

Li Dong

Furu Wei

Wenhui Wang

Xian-Ling Mao

Heyan Huang

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Data-to-Text Generation with Content Selection and Planning

abstract

Ratish Puduppully

Li Dong

Mirella Lapata

AAAI2019

Code

BibTeX

CLIP Models are Few-Shot Learners: Empirical Studies on VQA and Visual Entailment

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Haoyu Song

Li Dong

Weinan Zhang

Ting Liu

Furu Wei

ACL2022

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XLME: Cross-lingual Language Model Pre-training via ELECTRA

abstract

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Shaohan Huang

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Shuming Ma

Bo Zheng

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Xian-Ling Mao

Heyan Huang

Furu Wei

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StableMoE: Stable Routing Strategy for Mixture of Experts

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Making Pre-trained Language Models Better Few-shot Learners
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Tianyu Gao Adam Fisch Danqi Chen
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Learning Dense Representations of Phrases at Scale
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Christopher Scialvolino Zexuan Zhong Jinhyuk Lee Danqi Chen
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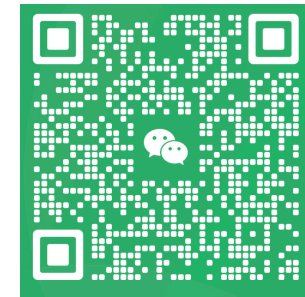
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  'url': 'https://dblp.org/db/conf/cikm/cikm2022.html',
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}
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Summary

Jobs

Run details

Usage

Workflow file

update-conf-list

succeeded 18 days ago in 1m 6s

> ✓ Set up job

> ✓ Run actions/checkout@v3

> ✓ Set up Python version

> ✓ Create and start virtual environment

> ✓ Set up dependency caching for faster installs

> ✓ Install dependencies

> ✓ Update the cache file from the issue

> ✓ Commit files

> ✓ Push changes

> ✓ Post Set up dependency caching for faster installs

> ✓ Post Set up Python version



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