期末專案

其他資訊

2-5人一組

3 月 8 日 公布論文

相關論文

Semantic text matching

- Beyond 512 Tokens: Siamese Multi-depth Transformer-based Hierarchical Encoder for Long-Form Document Matching
  - https://paperswithcode.com/paper/beyond-512-tokens-siamese-multi-depth
  - Information Retrieval、Question Answering、Representation Learning、Language model
  - 難度： 3/5
  - 頁數：10（雙）
  - 年份：2020
- Match-Ignition: Plugging PageRank into Transformer for Long-form Text Matching
  - https://paperswithcode.com/paper/match-ignition-plugging-pagerank-into
  - Information Retrieval、Community Question Answering、Text Matching
  - 難度：4/5
  - 頁數：9（雙）
  - 年份：2021

Knowledge graphs

▼ Modeling Relational Data with Graph Convolutional Networks

- https://paperswithcode.com/paper/modeling-relational-data-with-graph
- Information Retrieval、Graph Classification、Knowledge Base Completion、Knowledge graph、Link prediction、Node Classification
- 難度：3/5
- 頁數：9（雙）
- 年份：2017

Named entity recognition

- Biomedical Named Entity Recognition at Scale
  - https://paperswithcode.com/paper/biomedical-named-entity-recognition-at-scale
  - Information Retrieval、Entity Resolution、Medical Named Entity Recognition、Question Answering、Relation extraction
  - 難度：2/5
  - 頁數：7（雙）
  - 年份：2020

information retrieval

- A Unified Neural Architecture for Instrumental Audio Tasks
  - https://paperswithcode.com/paper/a-unified-neural-architecture-for
  - Information Retrieval、Music Information Retrieval、Super Resolution、Transfer Learning
  - 難度：3/5
  - 頁數：6（雙）
  - 年份：2019
- CodeSearchNet Challenge: Evaluating the State of Semantic Code Search
  - https://paperswithcode.com/paper/codesearchnet-challenge-evaluating-the-state
  - Information Retrieval、Code Search
  - 難度：2/5

    - 頁數：6（雙）
    - 年份：2019
- IRGAN: A Minimax Game for Unifying Generative and Discriminative Information Retrieval Models
    - https://paperswithcode.com/paper/irgan-a-minimax-game-for-unifying-generative
    - Information Retrieval、AD-HOC Information Retrieval、documents ranking、Question Answering
    - 難度： 5/5
    - 頁數：12（雙）
    - 年份：2017
- End-to-End Neural Ad-hoc Ranking with Kernel Pooling
    - https://paperswithcode.com/paper/end-to-end-neural-ad-hoc-ranking-with-kernel
    - Ranking、Neural IR、Kernel Pooling、Relevance Model、Embedding
    - 難度：4/5
    - 頁數： 10（雙）
    - 年份：2017
- Multi-Task Learning for Document Ranking and Query Suggestion
    - https://paperswithcode.com/paper/multi-task-learning-for-document-ranking-and
    - 難度：4/5
    - 頁數：14（單）
    - 年份：2018

Open-domain question answering

- Answering Complex Open-domain Questions Through Iterative Query Generation
    - https://paperswithcode.com/paper/answering-complex-open-domain-questions

    - Information Retrieval、Open-domain Question Answering、Reading comprehension
    - 難度：3/5
    - 頁數：13（雙）
    - 年份：2019
- Denoising Distantly Supervised Open-Domain Question Answering
    - https://paperswithcode.com/paper/denoising-distantly-supervised-open-domain
    - Information Retrieval、Denoising、Open-domain Question Answering
    - 難度：3/5
    - 頁數：10（雙）
    - 年份：2018

▼ Retrieval-Augmented Generation for Knowledge-Intensive NLP Tasks

- https://paperswithcode.com/paper/retrieval-augmented-generation-for-knowledge
- Question Answering
- 難度：4/5
- 頁數：19（單）
- 年份：2020

- Reading Wikipedia to Answer Open-Domain Questions
    - https://paperswithcode.com/paper/reading-wikipedia-to-answer-open-domain
    - Reading comprehension、Question answering、Open-domain Question Answering
    - 難度：3/5
    - 頁數：10（雙）
    - 年份：2017
- Knowledge Guided Text Retrieval and Reading for Open Domain Question Answering

    - https://paperswithcode.com/paper/knowledge-guided-text-retrieval-and-reading
    - Reading comprehension、Question answering、Open-domain Question Answering、Text Matching
    - 難度：3/5
    - 頁數：12（雙）
    - 年份：2019

Event extraction

- Giveme5W1H: A Universal System for Extracting Main Events from News Articles
    - https://paperswithcode.com/paper/giveme5w1h-a-universal-system-for-extracting
    - News Event Detection, 5W1H Extraction, 5W1H Question Answering, Reporter’s Questions, Journalist’s Questions, 5W QA
    - 難度：5/5
    - 頁數：8（雙）
    - 年份：2019
- Doc2EDAG: An End-to-End Document-level Framework for Chinese Financial Event Extraction
    - https://paperswithcode.com/paper/doc2edag-an-end-to-end-document-level
    - Event Extraction
    - 難度：5/5
    - 頁數：16（雙）
    - 年份：2019
- Entity, Relation, and Event Extraction with Contextualized Span Representations
    - https://paperswithcode.com/paper/entity-relation-and-event-extraction-with

    - Event Extraction、Named Entity Recognition、Relationship extraction
    - 難度：4/5
    - 頁數：9（雙）
    - 年份：2019

Community Question Answering

- Predicting Subjective Features of Questions of QA Websites using BERT
    - https://paperswithcode.com/paper/predicting-subjective-features-from-questions
    - Community Question Answering
    - 難度：3/5
    - 頁數：5（雙）
    - 年份：2020

Question Answering

- UnifiedQA: Crossing Format Boundaries With a Single QA System
    - https://paperswithcode.com/paper/unifiedqa-crossing-format-boundaries-with-a
- Supervised Multimodal Bitransformers for Classifying Images and Text
    - https://paperswithcode.com/paper/supervised-multimodal-bitransformers-for

▼ Large-scale Simple Question Answering with Memory Networks

- https://paperswithcode.com/paper/large-scale-simple-question-answering-with
- Question Answering
- 難度：4/5
- 頁數：10 （雙）
- 年份：2015

▼ Key-Value Memory Networks for Directly Reading Documents

- https://paperswithcode.com/paper/key-value-memory-networks-for-directly
- Question Answering
- 難度：4/5
- 頁數：10 （雙）
- 年份：2015

▼ BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding

- https://paperswithcode.com/paper/bert-pre-training-of-deep-bidirectional
- Question Answering、Named Entity Recognition、Text Classification
- 難度：5/5
- 頁數：16（雙）
- 年份：2019

▼ Big Bird: Transformers for Longer Sequences

- https://paperswithcode.com/paper/big-bird-transformers-for-longer-sequences
- Question Answering、Text Classification、Linguistic Acceptability、Natural Language Inference

▼ XLNet: Generalized Autoregressive Pretraining for Language Understanding

- https://paperswithcode.com/paper/xlnet-generalized-autoregressive-pretraining
- Document Ranking、Question Answering、Text Classification、Natural Language Inference
- 難度：5/5
- 頁數：18（單）
- 年份：2019

▼ GloVe: Global Vectors for Word Representation

- https://paperswithcode.com/paper/glove-global-vectors-for-word-representation
- Information Retrieval、Document Classification、Question Answering、Named Entity Recognition
- 難度：5/5
- 頁數：12（雙）
- 年份：2014

▼ LUKE: Deep Contextualized Entity Representations with Entity-aware Self-attention

- https://paperswithcode.com/paper/luke-deep-contextualized-entity
- Question Answering、Named Entity Recognition、Relationship extraction
- 難度：4/5
- 頁數：13（雙）
- 年份：2020

▼ Product-based Neural Networks for User Response Prediction over Multi-field Categorical Data

- https://paperswithcode.com/paper/product-based-neural-networks-for-user-1
- Information Retrieval、Click-Through Rate Prediction、Recommender system、Feature engineering
- 頁數： 35（單）