Natural Language Processing Group

Natural Language Processing (NLP) group at A-STAR I2R, Singapore aims at developing advanced Natural Language Processing technologies to facilitate accessing information among large amount of free text effectively and efficiently. Over the years, we've also been actively engaging diverse public and private sectors, building text mining applications to benefit people's work and life in this information overload era.
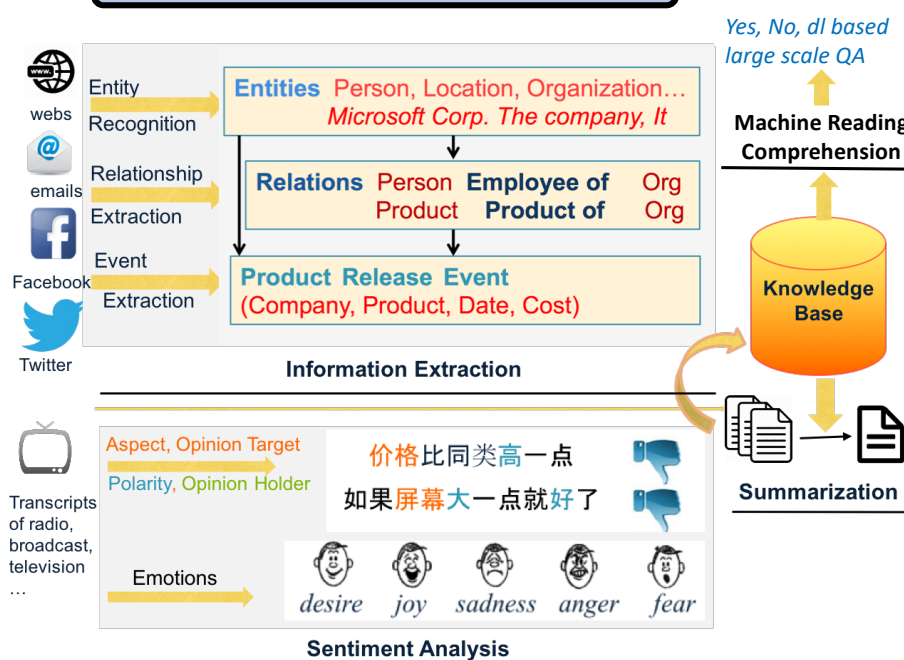
NLP group also hosts Baidu I2R Research Centre (BIRC), Baidu's 1st oversea joint laboratory. Since its establishment in 2012, BIRC has facilitated many deployments over Baidu's production platforms, including Baidu Web Search and Baidu Translate.

Benchmarks and Publications

	Technology	Results
DuReader Leaderboard 2018 on Yes / No task	Web Scale MRC task organized by Baidu	No.1
Text Book QA Challenge 2017 at CVPR	Text and Diagram Question Answering	No.2 No.1
SemEval 2016	Aspect Category Classification & Opinion Target Recognition	No.1 No.1 No.1 No.1 No.1
SemEval 2015	Aspect Category Classification & Opinion Target Recognition	No.1 No.1 No.1 No.2
WNUT at ACL 2015	Tweet Named Entity Recognition	No.2
SemEval 2014	Aspect Extraction	No.1 No.2

•*ACL 2018, EMNLP 2018, NIPS 2018, KDD 2018, WWW2018, WSDM2018, ICWSM2018, AAAI 2018,…*

Leadership in NLP Community

SU JIAN (Unit Head)
- AACL
  - Chair-Elect(2021/2), Chair (2023/4);
  - Founding Executive Board Member (2018-2020);
- SIGDAT
  - President 2019, VP 2018, VP-Elect 2017;
  - Advisory Board Member(2015 -);
- ACL Executive Committee Member (2012 -2014);
- General Chair, EMNLP 2016;
- Program Chair, EMNLP 2015, ACL 2009;
- Founding Action / Associate Editor
  - TACL(2012 - 2016)
  - TIST(2010 - 2012)

Our Technologies

Information Extraction

Sentiment Analysis

Machine Reading Comprehension

Knowledge Base

Summarization

Yes, No, dl based large scale QA

Collaborations and Deployments

Contact

For any enquiry on researcher and engineer positions, internship and Phd scholarship, please contact Ms. LI Yue (**Li_Yue@i2r.a-star.edu.sg**)

Institute for Infocomm Research