

Datasets and Knowledge Base Enriched Visual Storytelling

Abstract

In visual storytelling, we compose a short story given a sequence of five photos. As previous works usually employ an end-to-end model to learn diverse stories for the photo sequence, they tend to favor general and trivial stories composed of caption-like, fragmented expressions. In this talk, I will introduce the novel two-stage visual storytelling model we propose to address this problem. In this model, the learning process is enriched by large datasets and the generation process is enriched by the knowledge base. Empirical studies show that our model outperforms the state-of-the-art visual storytelling model under human evaluations in terms of grounding, suitability for sharing, and entertaining, which sheds light on further applications.

Speaker



Dr. Lun-Wei Ku
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Lun-Wei Ku is now an associate research fellow in Institute of Information Science, Academia Sinica, adjunct associate professor of national Chiao-Tung university (NCTU), and the secretary-general of Association for Computational Linguistics and Chinese Language Processing (ACLCLP). She received her M.S. and Ph.D. degrees from Department of Computer Science and Information Engineering, National Taiwan University. Previously she worked as an assistant professor in the Department of Computer Science and Information Engineering, National Yunlin University of Science and Technology (Yuntech), Taiwan. Her research interests include natural language processing, information retrieval, and computational linguistics. She has been working on Chinese sentiment analysis since year 2005 and was the co-organizer of NTCIR MOAT Task (Multilingual Opinion Analysis Task, traditional Chinese side) from year 2006 to 2010. Her international recognition includes Good Design Award Selected (2012), CyberLink Technical Elite Fellowship (2007), IBM Ph.D. Fellowship (2008), and ROCLING Doctorial Dissertation Distinction Award (2009). Other professional international activities she involved include: Program Chair, StarSem 2019 and ARIS 2019, Financial Chair, IJCNLP 2017; Sentiment Analysis and Opinion Mining, Area Co-Chair, ACL 2017, CCL 2016, ACL-IJCNLP 2015 and EMNLP 2015; NLP Applications, Area Co-Chair, EMNLP 2019 and NLPCC 2016; Publication Co-Chair, IJCNLP 2013; Publicity Chair, AIRS 2010. She is also active in industrial collaboration and currently working with data companies and banks.

Details

Friday, May 17, 2019
3:00 PM - 4:00 PM

Seminar Room 3.2, Level 3

School of Information Systems, Singapore Management University, 80
Stamford Road, Singapore 178902, Singapore

We look forward to seeing you at this research seminar.

[Register](#)