

Yuwei CHUAI

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Education

January 2022	School of Economics and Management, Beihang University
September 2019	Master's Degree in Management
June 2019	School of Management, Hefei University of Technology
September 2015	Bachelor's Degree in Information Management and Information System GPA: 3.77/4.3, Ranking: 2/98

Research Experiences

Present	Group Leader @ Data Mining and Application of IOT Based on Mobile Group Intelligence Perception (Key Project of National Natural Science Foundation of China)
July 2020	<ul style="list-style-type: none">Detected emotions embedded in the tens of millions of tourism tweets from Weibo.Analyzed time-series changes of tourists' emotions, topics tourists discussed in the tweets, and the relationships between emotions and topics.Built regression models to quantify the differences of tourists' emotions between individual holidays and national holidays.Tourists' negative emotions unexpectedly increase in national holidays.
Present	Group Leader @ Research on the Robustness of Complex Social System from the Perspective of Information Diffusion (General Project of National Natural Science Foundation of China)
September 2019	<ul style="list-style-type: none">Analyzed the emotional differences between true and fake news, conducted statistical tests.Built information diffusion models to analyze the effects of emotions on retweeting.Collected 1,316 questionnaires and analyzed users' retweeting motivations.Fake news contains more anger than real news, anger can enhance the spread of news by stimulating information-sharing and anxiety management incentives.

Research Achievements

- Chuai, Y., Chang Y., & Hou X. (2021). *What enhances the spread of COVID-19 content in social media?* **SSRN**.
- Chuai, Y., & Zhao, J. (2020). *Anger makes fake news viral online*. **arXiv**

Media Coverage

- New Scientist** (2020-05-22) — Fake news gets shared more when it is angry and anxiety-inducing
- School of Economics and Management of Beihang University** (2020-05-25) — The working paper of a postgraduate in our school was reported by New Scientist, a famous British science and technology magazine
- Communications of the ACM** (2020-06-04) — Fake News Gets Shared More When It is Angry, Anxiety-Inducing
- The Quint** (2020-11-19) — Mood, Emotional State Make You Fall For Online Misinformation

Competences & Languages

Programming	Python, R, SQL, Java, C, \LaTeX
Tools/Framework	NumPy, pandas, scikit-learn, PyTorch, Gensim, Networkx, Stata
Data Visualization	ECharts, Matplotlib, ggplot2, seaborn
English	IELTS — Overall 6.5 (Listening 6.5, Reading 7.0, Writing 6.5, Speaking 6.0)

Honors & Awards

2020	Second-Class Academic Scholarship
2019	Outstanding Graduate of Anhui Province, Second-Class Academic Scholarship
2018	National Encouragement Scholarship, Second-Class Scholarship
2017	National Encouragement Scholarship, First-Class Scholarship
2016	National Encouragement Scholarship, Second-Class Scholarship