

Yuwei CHUAI

Ph.D. Applicant

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Education

Sep 2021 – Feb 2022	University of Luxembourg, Luxembourg <i>Exchange student in Master of Science in Finance and Economics</i>
Sep 2019 – Jan 2022	Beihang University, Beijing <i>Master's degree in Management Science and Engineering</i>
Sep 2015 – Jun 2019	Hefei University of Technology, Hefei <i>Bachelor's Degree in Information Management and Information System</i> GPA: 3.77/4.3, Ranking: 2/98

Research Experiences

Jul 2020 - Ongoing	Data Mining and Application of IOT Based on Mobile Group Intelligence Perception <i>Group Leader</i> <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.
Sep 2019 - Ongoing	Research on the Robustness of Complex Social System from the Perspective of Information Diffusion <i>Group Leader</i> <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.

Publications

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| 2021 | 1. Chuai, Y., Chang, Y. & Hou, X. What Enhances the Spread of COVID-19 Content in Social Media? Available at SSRN 3818344 (2021). |
| 2020 | 2. Chuai, Y. & Zhao, J. Anger makes fake news viral online. <i>arXiv preprint arXiv:2004.10399</i> (2020). |

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 post-graduate 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
- **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

Hobbies

- Fitness
- Outdoor activities
- Travel
- Movie
- Photography