YANG YE

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https://reneeyangye.github.io

EDUCATION

- **City University of Hong Kong** *2019.09 - present*
  Doctor of Philosophy in Data Science
  School of Data Science
  Supervisor: Qingpeng Zhang

- **Huazhong University of Science and Technology** *2015.09 - 2019.06*
  Bachelor of Management in Logistics Management
  School of Artificial Intelligence and Automation

RESEARCH INTERESTS

Complex Networks, Mathematical Epidemiology

EXPERIENCES

- Visiting Scholar, UNC Project-China *2021.07 - 2021.09*

PUBLICATIONS

- **Ye, Y.**, Zhang, Q., Wei, X., Cao, Z., Yuan, H. Y., & Zeng, D. D. (2022). Equitable access to COVID-19 vaccines makes a life-saving difference to all countries. Nature Human Behaviour, 6(2), 207-216 (Cover feature).

- **Ye, Y.**, Zhang, Q., Ruan, Z., Cao, Z., Xuan, Q., & Zeng, D. D. (2020). Effect of heterogeneous risk perception on information diffusion, behavior change, and disease transmission. Physical Review E, 102(4), 042314.

- Jing, F., **Ye, Y. (Joint First Author)**, Zhou, Y., Zhou, H., Xu, Z., Lu, Y., et al. (2022). Modelling the geographical spread of HIV among MSM in Guangdong, China: a metapopulation model considering the impact of pre-exposure prophylaxis. Philosophical Transactions of the Royal Society A, 380(2214), 20210126.

- **Ye, Y.**, Zhang, Q., Cao, Z., Chen, F. Y., Yan, H., Stanley, H. E., & Zeng, D. D. (2021). Impacts of Export Restrictions on the Global Personal Protective Equipment Trade Network During COVID-19. Advanced Theory and Simulations (Inner-cover featured), 2100352.

- **Ye, Y.**, Zhang, Q., Cao, Z., & Zeng, D. D. (2021). Optimal vaccination program for two infectious diseases with cross-immunity spreading on a network. EPL (Europhysics Letters), 133(4), 46001. (Featured as Editor's Pick).

- **Ye, Y.**, Ni, K., Jing, F., Zhou, Y., Tang. W., & Zhang, Q. (2022). Model-Informed Targeted Network Interventions on Social Networks Among Men Who Have Sex With Men in Zhuhai, China (IEEE Transactions on Computational Social Systems, in press).

- **Ye, Y.**, & Zhang, Q. (2021, August). Product Clustering Analysis Based on the Retail Product Knowledge Graph. In Asia-Pacific Web (APWeb) and Web-Age Information Management (WAIM) Joint International Conference on Web and Big Data (pp. 37-40). Springer, Singapore.

- Jing, F., **Ye, Y. (Joint First Author)**, Zhou, Y., et al. (2021). Identification of Key Influencers for Secondary Distribution of HIV Self-Testing among Chinese MSM: A Machine Learning Approach (Journal of Medical Internet Research, 1st round revision).

TEACHING EXPERIENCE

- SDSC2004/GE2343: Data Visualization, Teaching Assistant   *Spring, 2022*
- SDSC2004: Data Visualization, Teaching Assistant   *Spring, 2021*

SCHOLARSHIPS, HONORS AND AWARDS

- **Outstanding Academic Performance Award for Research Degree Students**   *2022.09*
  City University of Hong Kong

- **Research Tuition Scholarship**   *2022.09*
  City University of Hong Kong

- **Outstanding Academic Performance Award for Research Degree Students**   *2021.09*
  City University of Hong Kong

- **Research Tuition Scholarship**   *2021.09*
  City University of Hong Kong

- **Postgraduate Studentship**   *2019.09*
  City University of Hong Kong

- **China National Scholarship** (top 0.2% nationwide)   *2017.11*
  Huazhong University of Science and Technology

- **China National Scholarship** (top 0.2% nationwide)   *2016.11*
  Huazhong University of Science and Technology

PRESENTATIONS

- "Equitable Access to COVID-19 Vaccines Makes a Life-Saving Difference to All Countries", presentation delivered in the Centre for Complexity and Complex Networks at the City University of Hong Kong and the Department of Electronic and Information Engineering at the Hong Kong Polytechnic University, 2022.09

- "Equitable Access to COVID-19 Vaccines Makes a Life-Saving Difference to All Countries", presentation delivered in NetSci2022 Satellite Forum, 2022.07

- "Product Clustering Analysis Based on the Retail Product Knowledge Graph", presentation delivered in APWeb-WAIM 2021 International Workshops, 2021.08

REVIEWER OF JOURNALS

Philosophical Transactions of the Royal Society A, IEEE Transactions on Computational Social Systems, ACM Transactions on Management Information Systems

SELECTED MEDIA COVERAGE

- "Répartition des vaccins dans le monde." CBC/Radio-Canada, 2022.10

- "The benefits of vaccinating the world are clear. The catch is the price tag." The Washington Post, 2022.02

- "World better protected against Covid if rich nations donated 50% of vaccines to low-income countries." The Guardian, 2022.02

- "COVID-19: 46% vaccine redistribution best for high- and low-income countries alike." Nature Asia, 2022.02

- "Mathematical model verifies a correct understanding of epidemic's severity facilitates disease control." CityU Research Stories, 2020.12

OTHERS

Google scholar | Github | CityU Scholars