KAI FENG

Institution of Economics, School of Social Sciences, Tsinghua University, Beijing, 100084
| Mobile: (+86) 186-1074-0692 | Email: fengk22@mails.tsinghua.edu.cn

EDUCATION

School of Computer Science and Engineering, Beihang University *Sept. 2014 - Jun. 2018*
B.E. in Computer Science and Engineering
School of Mathematics and Systems Science, Beihang University *Sept. 2015 - Jun. 2018*
Dual B.S. in Mathematics
School of Computer Science and Engineering, Beihang University *Sept. 2018 - Mar. 2021*
M.E. in Computer Science and Technology
Institution of Economics, School of Social Sciences, Tsinghua University *Sept. 2022 - Present*
Ph.D. Candidate in Economics

VISITING POSITION

Department of Economics, Stanford University *Oct. 2023 - Feb. 2024*
Visiting Student Researcher

SELECTED WORKING PAPERS

1. Feng, K., Wei, W., and He, Z. (2024) Mitigating Moral Hazard in Delegated Investment through Recommendation Algorithms. *Available at SSRN 4988910.*

2. Feng, K., Hong, H., and Nekipelov, D. (2024) Statistical inference of optimal allocations I: Regularities and their Implications. *Journal of Econometrics* R & R.

3. Feng, K., Hong, H., Li, J., Tang, K and Wang, J. (2024) Maximum AUC and VUS estimation. Submitted to *Journal of Machine Learning Research.*

4. Feng, K., Hong, H., Tang, K., and Wang, J. (2023) Statistical tests for replacing human decision-makers with algorithms (previously circulated under the title "Artificial-intelligence-assisted decision making: a statistical framework"). *Management Science* major revision.

PUBLISHED PAPERS

1. Wang, J., Tang, K., Feng, K., Lin, X., Lv, W., Chen, K., and Wang, F. (2021). Impact of temperature and relative humidity on the transmission of COVID-19, a statistical study (previously circulated under the title "High temperature and high humidity reduce the Transmission of COVID-19"). *BMJ open*, Vol. 11(2), e043863. (ESI highly cited, Google Scholar citation 900+)

2. Wang, J., Wu, N., Lu, X., Zhao, X., and Feng, K. (2019). Deep trajectory recovery with fine-grained calibration using Kalman filter. *IEEE Transactions on Knowledge and Data Engineering.* Vol. 33(3), 921-934.

3. Wang, J., Feng, K., and Wu, J. (2019). SVM-based deep stacking network. In *Proceeding of the AAAI Conference on Artificial Intelligence* Vol. 33, 5273-5280.

4. Liu, W., Wu, J., Gao, X., Feng, K. (2017). An early warning model of student achievement based on decision trees algorithm. In *IEEE 6th International Conference on Teaching, Assessment, and Learning for Engineering (TALE).*

SELECTED CONFERENCES

AEA Annual Meeting 2020, "Use of Machine Learning Algorithms"
2025 North American Winter Meeting of the Econometric Society, "Treatment Effect"

SELECTED HONORS & AWARDS

Outstanding Master's Degree Graduate in Beijing,	2021
National Scholarship,	2019
Outstanding Graduate Student at Beihang University,	2019
Outstanding Bachelor's Degree Graduate at Beihang University,	2018
1st class academic Scholarships at Beihang University,	2015
Outstanding Undergraduate Student at Beihang University,	2015