北京師範大學 BEIJING NORMAL UNIVERSITY 中國人民大學 RENMIN UNIVERSITY OF CHINA

Canyi Chen

Ph.D. in Statistics

May 8, 1997

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https://canyi-chen.github.io

Skills & Certificates

Proficiency in R (tidyverse), MATLAB, Python (numpy, tensorflow), LaTeX; Capable of C/C++ (armardillo), SQL, SPSS, Linux

Teacher qualification certificate (Senior high school) , Certificate of Proficiency in Mandarin (Grade II B)

CET-4 (549) and CET-6 (513)

Selected courses* –

Optimization: algorithm and theory (98), Mathematical Statistics (98), Data Structures (96), Algorithm Art and ACM Competition (95), Information technology applications (based on C language) (99), C++ programming (89), Functional analysis (98), Probability theory (95)

Bayesian Modeling and Inference (99), Computer Skills for Data Science (94), Advanced Statistical Computation (92)

∗ Scores are shown in parentheses

Social activities ——

Voluntary support education in Pengshui, Chongqing (2016) and Yongding, Fujian (2017)

Monitor, Institute of statistics and big data, Renmin University of China (2018–2020)

Education

2018 – 2023	**Ph.D., Statistics** GPA: 3.75/4.00 (rank 1/12)	Renmin University of China
2014 – 2018	**B.Sc., Mathematics** GPA: 4.1/5 (rank 9/92)	Beijing Normal University

Internship / project experience

2017 – 2018	**Data Analytics Intern**	BI, Beijing Wecash Technology
2016 – 2017	**Recruiting Leader of BNU**	Beijing Mind Education

2018 – 2019 **Intelligent diagnosis of lymph node metastasis of rectal cancer (The 7th Teddy Cup)**

2016 – 2017 **Fuzzy Clustering of Text Data (Class Project)**

2016 – 2018 **Asypototics of Derrida-Retaux branch system (National students' innovation and entrepreneurship training program)**

2015 – 2016 **Haze Prediction Based on Frequent Patterns (School-level students' innovation and entrepreneurship training program)**

Awards

Renmin University of China: Academic First Class Scholarship (2019, 2020, 2021), Academic Second Class Scholarship (2018), Study Excellence Scholarships (2020, 2021), Merit Student (2020), Third Class Scholarship for Social Work and Volunteer Service (2019)

Beijing Normal University: National Second Prize in National Undergraduate Mathematical Modeling Contest (2016), Jingshi First Class Competition Scholarships (2017), National Inspirational Scholarship (2015, 2016, 2017), Jingshi First Class Competition Scholarships (2016), Jingshi Second Class Scholarships (2015, 2017), Merit Student (2015)

Publications

1. **Chen, C.**, Xu, W., & Zhu L. (2022). Distributed Estimation in Heterogeneous Reduced Rank Regression: with Application to Order Determination in Sufficient Dimension Reduction. *Journal of Multivariate Analysis*, *190*, 104991. [Link], [PDF].
2. Zhang Y., **Chen, C.**, & Zhu L. (2022). Sliced Independence Test. *Statistica Sinica*. Accepted. [Link].
3. **Chen, C.**, & Zhu L. (2022). Distributed Decoding from Heterogeneous 1-Bit Compressive Measurements. Major Revision at *Journal of Computational and Graphical Statistics*.
4. **Chen, C.**, Gu Y., Zou H., & Zhu L. (2022). Distributed Sparse Composite Quantile Regression in Ultrahigh Dimensions. Submitted.
5. **Chen, C.**, Chen B., Kong L., & Zhu L. (2022). Robust Multi-task Learning in High Dimensions under Memory Constraint. Submitted.
6. **Chen, C.** (2022). Communication-Efficient Estimation for Distributed Canonical Correlation Analysis. Submitted.
7. **Chen, C.** (2022). Scalable and Globally Convergent Algorithm for Sufficient Dimension Reduction. Submitted.
8. **Chen, C.** (2022). Robust and Efficient Sparse Learning over Networks: A Decentralized Surrogate Composite Quantile Regression Approach.
9. Chen B., & **Chen, C.** (2022). Fast Optimization Methods for High-dimensional Row-sparse Multivariate Quantile Linear Regression. Submitted.
10. He Y., **Chen, C.**, & Xu, W. (2022). Distributed Estimation of High-dimensional Linear Quantile Regression. Submitted.

Latest Updated: April 7, 2022