Canyi Chen

Ph.D. in Statistics

- May 8, 1997
- +86 13051517009
- chency1997@ruc.edu.cn
- 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*. Accepted. [Link]

2. **Chen, C.**, & Zhu L. (2022). Distributed Decoding from Heterogeneous 1-Bit Compressive Measurements. Major Revision at *Journal of Computational and Graphical Statistics*.

3. Zhang Y., **Chen, C.**, & Zhu L. (2022). Sliced Independence Test. Major Revision at *Statistica Sinica*.

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, C.**, & Chen B. (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: March 20, 2022