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| CONTACT INFORMATION | Department of Statistics University of British Columbia 3182 Earth Sciences Building 2207 Main Mall Vancouver, BC, Canada V6T 1Z4 | <i>E-mail:</i> qiong.zhang@stat.ubc.ca <i>Tel:</i> +1 (778) 681-2643 <i>Github:</i> www.github.com/SarahQiong/ <i>Homepage:</i> www.stat.ubc.ca/~qiong.zhang |
| RESEARCH INTERESTS | Distributed Learning, Mixture Model, Optimal Transportation, Applications of Deep Learning | |
| EDUCATION | UNIVERSITY OF BRITISH COLUMBIA 09/2017 – present <i>Vancouver, British Columbia, Canada</i> Ph.D. (Statistics) Supervisor: Professor Jiahua Chen Cumulative GPA: 4.0/4.0 | |
| | UNIVERSITY OF BRITISH COLUMBIA 09/2015 – 09/2017 <i>Vancouver, British Columbia, Canada</i> M.Sc. (Statistics) Supervisor: Professor Jiahua Chen Thesis Title: Small Area Quantile Estimation under Unit-Level Models Cumulative GPA: 4.0/4.0 | |
| | UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA 09/2011 – 06/2015 <i>Hefei, Anhui, China</i> B.Sc. (Statistics), School of the Gifted Young Cumulative GPA: 3.66/4.3 | |
| PUBLICATIONS | UNDER REVIEW <ul style="list-style-type: none"> • Qiong Zhang and Jiahua Chen. “Minimum Wasserstein Distance Estimator under Finite Location-scale Mixtures.” Available at arXiv:2107.01323. • Qiong Zhang and Jiahua Chen. “Distributed Learning of Finite Gaussian Mixtures.” Available at arXiv:2010.10412. • Qiong Zhang and Jiahua Chen. “A Unified Framework for Gaussian Mixture Reduction with Composite Transportation Distance.” Available at arXiv:2002.08410. | |
| | REFEREED PAPERS <ul style="list-style-type: none"> • Qiong Zhang*, Xin Ding*, William J Welch, “Classification Beats Regression: Counting of Cells from Greyscale Microscopic Images based on Annotation-free Training Samples” CAAI International Conference on Artificial Intelligence, 2021 (34.5% acceptance). • Zhanshou Chen, Jiahua Chen, and Qiong Zhang. “Small area quantile estimation via spline regression and empirical likelihood.” Survey Methodology 45-1 45, no. 1 (2019): 81-99. • Philippe Phan, Brandon Budhram, Qiong Zhang, Carly S. Rivers, Vanessa K. Noonan, Tova Plashkes, Eugene K. Wai et al. “Highlighting discrepancies in walking prediction accuracy for patients with traumatic spinal cord injury: an evaluation of validated prediction models using a Canadian Multicenter Spinal Cord Injury Registry.” The Spine Journal 19, no. 4 (2019): 703-710. • Qiong Zhang*, Bo Chang*, Shenyi Pan, and Lili Meng. “Generating handwritten Chinese characters using CycleGAN.” In 2018 IEEE Winter Conference on Applications of Computer Vision (WACV), pp. 199-207. IEEE, 2018 (45.9% acceptance). | |

* Equal contribution.

TALKS

POSTER PRESENTATION

- 2019 Statistical Society of Canada: Classification Beats Regression in Cell Counting from Microscopic Images.
- 2018 Joint Statistical Meeting Data Expo: Do I really need a jacket?
- 2018 Winter Conf. on Applications of Computer Vision: Generating handwritten Chinese characters using CycleGAN.

CONTRIBUTED TALKS

- 2021 UBC/SFU Joint Student Seminar: Distributed Learning of Finite Gaussian Mixtures.
- 2016 Statistics Canada: Estimation of small area means and quantiles using EBLUP, Pseudo-EBLUP and M-quantile approaches.

HONORS AND
AWARDS

- Winner of Statistical Society of Canada Annual Meeting Case Study 1 2019
- Margaret Wylie Memorial Scholarship in Statistics 2017
- International Doctoral Fellowship 2017 – 2021
- Faculty of Science Graduate Award 2017 – 2021
- CANSSI scholarship 2016
- UBC International Tuition Award 2015 – 2021
- USTC Outstanding Undergraduate Scholarship 2013/2014
- USTC Outstanding Freshman Scholarship 2011

TEACHING
EXPERIENCE

TEACHING ASSISTANT, UNIVERSITY OF BRITISH COLUMBIA
Held weekly labs and office hours, marked assignments and exams

- STAT 305: Introduction to Statistical Inference 07/2021 – 08/2021
- STAT 251: Elementary Statistics 05/2021 – 06/2021
- STAT 300: Intermediate Statistics for Applications 01/2021 – 04/2021
- STAT 344: Sample Surveys 09/2020 – 12/2020
- STAT 302: Introduction to Probability 09/2019 – 04/2020
- STAT 461/561: Statistical Theory II 01/2019 – 04/2019
- STAT 306: Finding Relationships in Data 09/2018 – 12/2018
- STAT 200: Elementary Statistics for Applications 09/2015 – 04/2018

TEACHING ASSISTANT, UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA
Held weekly TA office hours, marked assignments and exams

- Linear Algebra (B1) 02/2015 – 06/2015
- Linear Algebra (B2) 09/2014 – 01/2015

OTHER

- UBC Trainer for Teaching Assistant 09/2019 – present

PROFESSIONAL
EXPERIENCE &
ACTIVITIES

INTERNSHIP

HUAWEI NOAH'S ARK LAB, MARKHAM, ON

05/2020 – 09/2020

Research Intern

Computer Vision Team

Supervisor: Dr. Juwei Lu

Project Title: Cross Domain Few Shot Learning

RICK HANSEN INSTITUTE, VANCOUVER, BC

05/2017 – 08/2017

Research Intern

International Cooperation and Corporate Statistical Methods Division

Supervisor: Dr. Nader Fallah

Project Title: Prediction for Prognosticating Independent Walking after Spinal Cord Injury

STATISTICS CANADA, OTTAWA, ON

06/2016 – 08/2016

Research Intern

International Cooperation and Corporate Statistical Methods Division

Supervisor: Dr. Yong You

Project Title: Estimation of Small Area Means and Quantiles using EBLUP, Pseudo-EBLUP and M-quantile Approaches

ORGANIZER & CONFERENCE VOLUNTEER

• Constance van Eeden Lecture Organizer

2019 – 2020

• UBC/SFU Joint Seminar Organizer

2017 – 2019

• 2018 JSM-ICSA Volunteer

08/2018

• ICSA-Canada Chapter 2017 Symposium Volunteer

08/2017

REVIEWER

• Neural Information Processing Systems (NeurIPS)

HARDWARE AND
SOFTWARE SKILLS

Programming: Proficient with R, Python; some experience with C, Matlab, SAS

Deep Learning API: Pytorch, Tensorflow

Office & Publishing: Microsoft Office, L^AT_EX