

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> <a href="https://github.com/SarahQiong/">www.github.com/SarahQiong/</a> <i>Homepage:</i> <a href="https://sarahqiong.github.io/">https://sarahqiong.github.io/</a>
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> <b>Ph.D. (Statistics)</b> Supervisor: Professor <a href="#">Jiahua Chen</a> Cumulative GPA: 4.0/4.0	
	UNIVERSITY OF BRITISH COLUMBIA 09/2015 – 09/2017 <i>Vancouver, British Columbia, Canada</i> <b>M.Sc. (Statistics)</b> Supervisor: Professor <a href="#">Jiahua Chen</a> 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>B.Sc. (Statistics), School of the Gifted Young</b> Cumulative GPA: 3.66/4.3	
PUBLICATIONS	UNDER REVIEW <ul style="list-style-type: none"> <li>• <b>Qiong Zhang</b> and Jiahua Chen. “Minimum Wasserstein Distance Estimator under Finite Location-scale Mixtures.” Available at <a href="https://arxiv.org/abs/2107.01323">arXiv:2107.01323</a>.</li> <li>• <b>Qiong Zhang</b> and Jiahua Chen. “Distributed Learning of Finite Gaussian Mixtures.” Available at <a href="https://arxiv.org/abs/2010.10412">arXiv:2010.10412</a>.</li> <li>• <b>Qiong Zhang</b> and Jiahua Chen. “A Unified Framework for Gaussian Mixture Reduction with Composite Transportation Distance.” Available at <a href="https://arxiv.org/abs/2002.08410">arXiv:2002.08410</a>.</li> </ul>	
	REFEREED PAPERS <ul style="list-style-type: none"> <li>• <b>Qiong Zhang*</b>, 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).</li> <li>• Zhanshou Chen, Jiahua Chen, and <b>Qiong Zhang</b>. “Small area quantile estimation via spline regression and empirical likelihood.” Survey Methodology 45-1 45, no. 1 (2019): 81-99.</li> <li>• Philippe Phan, Brandon Budhram, <b>Qiong Zhang</b>, 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.</li> <li>• <b>Qiong Zhang*</b>, 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).</li> </ul>	

\* Equal contribution.

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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.

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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

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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<sup>A</sup>T<sub>E</sub>X