

Yiran Wang

CONTACT INFORMATION 200 University Ave. W., +1-548-989-4168
 Waterloo, ON, N2L 3G1 y3577wan@uwaterloo.ca

EDUCATION **University of Waterloo**

Ph.D., *Statistics*, Sep 2019 - Present
 • Advisor: Audrey Béliveau, Ph.D, Martin Lysy, Ph.D

University of California, Irvine

M.S., *Statistics*, Sep 2017 - Jun 2019

Donghua University

B.S., *Statistics*, Sep 2013 - Jun 2017
 • Thesis: *Influence of China 's Innovation on Total Factor Productivity Based on Quantile Regression*
 • Advisor: Rong Jiang, Ph.D

PROFESSIONAL EXPERIENCE **Teaching Assistant**

University of Waterloo, Waterloo, ON Sep 2019 - Present
 – Held regular office hour, proctored tests, marked assignments and tests for:
 STAT 202 Introductory Statistics for Scientists Fall 2019
 STAT 230 Probability Winter 2020, Spring 2020
 STAT 330 Mathematical Statistics Winter 2021, Fall 2021
 STAT 331 Applied Linear Models Spring 2020, Fall 2020, Winter 2021
 STAT 371 Applied Linear Models and Process Improvement for Business Fall 2019, Fall 2020

University of California, Irvine, Irvine, CA Apr 2018 - Mar 2019
 – Held regular office hour, conducted weekly discussion sections, graded homework and examinations for:
 STATS 7 Basic Statistics
 STATS 67 Introduction to Probability and Statistics for Computer Science

Research Assistant

University of Waterloo, Waterloo, ON Jan 2020 - Present
 – Analyzed the stock population with genetic information of a certain type of salmon.
 – Estimated the total run size using genetic mark-recapture methods.
 – Proposed a new Bayesian framework for population estimation.
 – Supervisor: Audrey Béliveau, Ph.D, Martin Lysy, Ph.D

PRESENTATIONS 1. **Y. Wang** “Bayesian Genetic Mark-Recapture Methods For Estimating Seasonal River Run Size Of Stock Populations” Jun 2021
 The SSC 2021 Annual Meeting
 Virtual

Curriculum Vitae

2. **Y. Wang** "Assessing Integrated Population Model Using Parametric Bootstrap" Feb 2021
Bayesian Club Meeting, University of Waterloo
Virtual
3. **Y. Wang** "Introduction to Markov Chain Monte Carlo" Jan 2021
Bayesian Club Meeting, University of Waterloo
Virtual
4. **Y. Wang** "A Simple Simulation about Convergence Diagnostics" Jan 2021
Bayesian Club Meeting, University of Waterloo
Virtual

AWARDS

University of Waterloo

- Waterloo Special Graduate Student Entrance Award Sep 2019

Donghua University

- Donghua University Outstanding Graduate Jun 2017
- Donghua University Merit Scholarship Dec 2016
- Donghua University Tianji Scholarship Dec 2016
- Donghua University Social work Excellence Scholarship Dec 2015, Dec 2016
- Donghua University Outstanding Student Leader Dec 2015, Dec 2016
- 1st Prize in Donghua University Mathematical Modelling Contest Jun 2015

ACADEMIC MEMBERSHIP

American Statistical Association	2017-Present
Institute of Mathematical Statistics	2017-Present
International Chinese Statistical Association	2020-Present
International Biometric Society	2021-Present

PROGRAMMING SKILLS

R, Python, SAS, SQL, JAVA, Linux