

Haixu Wang

CONTACT INFORMATION	Address: 8888 University Drive Burnaby, B.C., V5A 1S6 Github: github.com/alex-haixuw Website: alex-haixuw.github.io	604-376-6267 Email: haixuw@sfu.ca
RESEARCH INTERESTS	Functional data analysis, Neural networks, Network analysis, Bayesian analysis, Machine learning, Computational neuroscience, Data science.	
EDUCATION	Simon Fraser University , Burnaby, B.C., Canada Ph.D. Candidate, <i>Statistics</i> , 2017–2022 (<i>Expected graduation</i>) <ul style="list-style-type: none">Supervisor: Dr. Jiguo Cao Simon Fraser University , Burnaby, B.C., Canada M.S., <i>Statistics</i> , 2015–2017 <ul style="list-style-type: none">Thesis: <i>Modeling Neural Spike Trains with Particle Markov Chain Monte Carlo and Smoothing</i>Supervisor: Dr. Jiguo Cao and Dr. Michelle Zhou Simon Fraser University , Burnaby, B.C., Canada B.S., <i>Statistics</i> , Aug, 2015	
PUBLICATION	<ul style="list-style-type: none">Wang, H. and Cao, J., 2022, “Nonlinear Prediction for Functional Time Series”, submitted to <i>Environmetrics</i>.Wang, H. and Cao, J., 2022, “pCODE: Estimating Parameters of ODE Models”, submitted to <i>The R Journal</i>.Wang, H. and Cao, J., 2021, “Functional Nonlinear Learning”, in revision for <i>Statistics Sinica</i>.Wang, H. and Cao, J., 2021, “Functional Principal Component Analysis for Multiple Variables on Different Riemannian Manifolds”, in revision for <i>Statistics and Computing</i>.Wang, H. and Cao, J., 2020, “Dynamic Network Embedding: an Interpolation Approach”, submitted to <i>Knowledge Discovery and Data Mining 2020 conference</i>.Wang, H. and Cao, J., 2020, “Estimating Time-varying Directed Neural Networks”, <i>Statistics and Computing</i>, 20, 1209–1220.	
PROJECT	<ul style="list-style-type: none">Wang, H. and Cao, J., 2020, “pCODE: a R package for estimating ODE models” available on CRAN, GITHUB, and Rshiny.	
INVITED CONFERENCE TALKS AND PRESENTATIONS	<ul style="list-style-type: none">Wang, H. and Cao, J., “Functional Nonlinear Learning”, 2021 Canada Statistical Science Institute showcase, Online, 2021.Wang, H. and Cao, J., “Estimating time-varying directed neural networks”, 2019 International Chinese Statistical Association conference, Tianjin, China, 2019.	

TEACHING

- *Simon Fraser University: Teaching Assistant*
 - Statistics Workshop.
 - STAT 100: Chance and Data Analysis
 - STAT 201: Statistics for the Life Sciences
 - STAT 203: Introduction to Statistics for the Social Sciences
 - STAT 270: Introduction to Probability and Statistics
 - STAT 305: Introduction to Biostatistical Methods for Health Sciences
 - STAT 485: Applied Time Series Analysis

EMPLOYMENT

- **Graduate Teaching Assistant**, *Simon Fraser University*, 2017-Current.
- **Graduate Research Assistant**, *Simon Fraser University*, 2017-Current.
- **Data Scientist**, *Pacific Blue Cross*, Burnaby, B.C., Canada. 2017–2018

AWARDS

- PhD Graduate Fellowship, Simon Fraser University, 2021-2022
- PhD Graduate Fellowship, Simon Fraser University, 2020-2021
- PhD Graduate Fellowship, Simon Fraser University, 2019-2010
- Graduate and Postdoctoral Fellowship, Simon Fraser University, 2019-2020
- PhD Graduate Fellowship, Simon Fraser University, 2018-2019
- PhD Graduate Fellowship, Simon Fraser University, 2017-2018