

CONTACT INFORMATION	Department of Mathematics and Statistics University of Windsor 455 Sunset Ave Windsor, ON N9B 3P4	Tel: (+1)226-975-0116 Email: <a href="mailto:lvj@uwindsor.ca">lvj@uwindsor.ca</a> <a href="#">Google Scholar</a> <a href="#">Personal Homepage</a>
EDUCATION	<p><b>University of Windsor</b> Doctor of Philosophy in Statistics ✧ Supervisor: <a href="#">Dr. Mohamed Belalia</a></p> <p>Sep 2020 - Dec 2024 (Expected) (Parental leave 2024 Winter)</p> <p><b>University of Windsor</b> Master of Science in Statistics ✧ Supervisor: <a href="#">Dr. Mohamed Belalia</a></p> <p>Sep 2018 - May 2020</p> <p><b>Shijiazhuang Tiedao University</b> Bachelor of Science in Mathematics &amp; Applied Mathematics</p> <p>Sep 2014 - Jul 2018</p>	
PROFESSIONAL EXPERIENCE	<p>&gt; Data Center Graduate Student Consultant ✧ Academic Data Centre, Leddy Library, University of Windsor</p> <p>Feb 2023 - Apr 2023</p> <p>&gt; Lecturer, Sessional ✧ STAT2920-01: Introduction to Probability</p> <p>Sep 2022 - Dec 2022</p> <p>&gt; Teaching Assistant ✧ Department of Mathematics and Statistics, University of Windsor</p> <p>Sep 2018 - Present</p>	
PUBLICATIONS	<p>&gt; Papers in Peer-Reviewed Journals</p> <p>[1] <b>Guanjie Lyu</b>, Mohamed Belalia*. (2024). <a href="#">Smooth estimation of conditional quantile function using Bernstein polynomials</a>. <i>Statistics</i> 58 (2): 407-421.</p> <p>[2] Mohamed Belalia*, <b>Guanjie Lyu</b>. (2024). <a href="#">Two-stage conditional density estimation based on Bernstein polynomials</a>. <i>Communications in Statistics - Theory and Methods</i> 53 (11): 4172-4193.</p> <p>[3] <b>Guanjie Lyu</b>, Mohamed Belalia*. (2023). <a href="#">Testing symmetry for bivariate copulas using Bernstein polynomials</a>. <i>Statistics and Computing</i> 33 (6): 128.</p> <p>&gt; Papers Submitted to or Under Revision for Peer-Reviewed Journals</p> <p>[1] <b>Guanjie Lyu</b>, Mohamed Belalia*. Testing independence using <math>C</math>-power functions. <i>Submitted</i></p> <p>[2] <b>Guanjie Lyu</b>, Mohamed Belalia*. Testing equality between the dependence structures of two samples using Bernstein polynomials. <a href="https://arxiv.org/abs/2303.02510">arXiv:2303.02510</a>. <i>Under revision</i></p> <p>&gt; Papers in Progress</p> <p>[1] <b>Guanjie Lyu</b>, Mohamed Belalia, Abdulkadir Hussein*. Semiparametric copula quantile regression for semicontinuous data.</p> <p>[2] <b>Guanjie Lyu</b>*. K-sample test using integrated empirical copula processes.</p>	
PRESENTATIONS	> University of Windsor (invited). Semiparametric copula quantile regression for semicontinuous data. Dec, 2024 (scheduled).	

- > Queen's University (invited). Semiparametric copula quantile regression for semi-continuous data. Oct, 2024 (scheduled).
- > University of Windsor (invited). Testing the equality of the copulas of two multivariate populations with Bernstein polynomials. Oct 3rd, 2024.
- > JSM2024 (contributed). Testing equality between two-sample dependence structure using Bernstein polynomials. Aug 7th, 2024.
- > SSC2023 Oral (contributed). Smooth estimation of conditional quantile function using Bernstein polynomials. May 31st, 2023.
- > CSSC2023 Poster (contributed). Smooth estimation of conditional quantile function using Bernstein polynomials. May 27th, 2023.
- > SSC2022 Oral (contributed). Testing symmetry for bivariate copulas using Bernstein polynomials. June 2nd, 2022.

#### ACADEMIC SERVICES

- > Referee work
  - ✧ Referee for Open Statistics, 2022 (1 paper)
  - ✧ Referee for UWill2022 conference papers (1 paper)
- > Services to Conferences
  - ✧ Session chair, SSC2023
  - ✧ Volunteer for SSC Booth, JSM2024
- > Committees
  - ✧ Student elected member of Departmental Council (2022 Fall - 2023 Summer, Department of Mathematics and Statistics , University of Windsor)
  - ✧ Member of the Committee for Promotion and Tenure (2022 Winter, Department of Mathematics and Statistics , University of Windsor)

#### HONOURS AND AWARDS

- > Student PhD and Research Network (SPARK) Group 2024 - 2025
  - ✧ Canadian Statistical Sciences Institute (CANSSI) Ontario
- > Doctoral Entrance Scholarship Sep 2020 - Aug 2024
  - ✧ Department of Mathematics and Statistics, University of Windsor, 30,000 CAD
- > Student Travel Award
  - ✧ Faculty of Science Student Travel Fund, University of Windsor, 500 CAD, 2024 Summer
  - ✧ Graduate Student Conference Travel Support Fund, University of Windsor, 500 CAD, 2024 Summer
  - ✧ 2023 SSC Annual Meeting Student travel Grant, 250 CAD
  - ✧ Faculty of Science Student Travel Fund, University of Windsor, 250 CAD, 2023 Summer
  - ✧ Graduate Student Conference Travel Support Fund, University of Windsor, 500 CAD, 2023 Summer
  - ✧ 2020 SSC Annual Meeting Student Travel Award, Canadian Society for Statistics (SSC), 500 CAD