

# Debora Loccisano

<https://debbiestat.github.io>

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CONTACT INFORMATION	Loeb Building Carleton University 1125 Colonel By Drive Ottawa, ON K1S 5B6	deboraloccisano@cmail.carleton.ca
RESEARCH FIELDS	Econometrics, financial econometrics, financial risk management	
EMPLOYMENT	Analyst/Economist, Treasury Board Secretariat of Canada, Privacy and Responsible Data Division, 2024- Research and Policy Analyst, Privy Council Office, Chief Data Office, 2023-2024 Analyst, Statistics Canada, Agriculture Division, 2021-2023 Researcher (Internship), Annunziata Civic Hospital, Kidney and Transplant Research Department, 2016	
EDUCATION	Carleton University (Canada)  Ph.D., Economics, 2025  Thesis: Three essays on the econometrics of tail and systematic risk Supervisor: Prof. Lynda Khalaf <i>2025 Carleton Senate Medal for Outstanding Academic Graduate Achievement</i>  University of Calabria (Italy)  M.Sc., Finance and Insurance (with honours), 2019  Research Thesis: Bootstrap based tests on conditional risk measures  B.Sc., Statistics for Business and Insurance, 2016  Research Thesis: PAM algorithm: application in biomedical field	
PUBLICATIONS	<i>Co-movements, option pricing and risk management: an application to WTI versus Brent spread options</i> (with D. De Giovanni, A. Leccadito). <i>Annals of Operations Research</i> , November 2022, 336, 1039-1061	
JOB MARKET PAPER	<i>Predictive Identification Robust Confidence Sets with Application to Tail Risk Measures</i> (with L. Khalaf, A. Leccadito). <i>Revise and Resubmit to the Journal of Financial Econometrics</i> , 2025  Abstract: This paper proposes a novel method to construct confidence sets for predictive measures, that do not require identification and can be finite-sample exact. First, a joint robust confidence region for parameters that are hard to identify is constructed through the inversion of an out-of-sample specification adequacy test. This set is then projected to construct simultaneous confidence sets for any collection of measures over multiple paths. These sets provide a unified solution to confidence estimation and out-of-sample validation, without compounding type I error. We focus on tail risk metrics including Value at Risk, Expected Shortfall, and Expectile-VaR, allowing for multiple thresholds. Simultaneity further addresses joint elicibility concerns. An illustrative analysis on GARCH models is conducted, through Monte Carlo simulations and an empirical evaluation of an exchange-traded fund that tracks the technology sector.	

WORKING PAPERS	<p><i>Tail risk in energy markets: jumps, volatility and systematic uncertainty</i> (with L. Khalaf, A. Leccadito), 2025</p> <p><i>Jump dynamics and systematic risk for low frequency forecasting: evidence from the energy markets</i>, 2025</p>
CONFERENCE PRESENTATIONS	<p><i>Jump Clustering and Tail Risk for energy commodities</i> (with L. Khalaf, A. Leccadito)</p> <p>Recent Developments in Economics, Econometrics and Finance Conference, Rimini (2022)</p> <p>Canadian Economics Association Conference, Ottawa (2022)</p> <p>28th International Conference on Computing in Economics and Finance, Dallas (2022)</p> <p><i>Predictive Identification Robust Confidence Sets with Application to Tail Risk Measures</i></p> <p>CIREQ, Recent Developments in Econometrics, Montreal (2023)</p> <p>NBER-NSF, Montreal (2023)</p> <p>Canadian Econometric Study Group Meeting, Hamilton (2023)</p> <p>(presented by L. Khalaf) New York Camp Econometrics XVIII, Lake Placid (2024)</p> <p>European Conferences of the Econom[etr]ics Community, Amsterdam (2024)</p> <p>17th Annual Society of Financial Econometrics Conference, Paris (2025)</p>
TEACHING EXPERIENCE	<p>Carleton University, Teaching Assistant for</p> <p>Introduction to Microeconomics (undergraduate)</p> <p>Intermediate Microeconomics I (undergraduate)</p> <p>Intermediate Macroeconomics II (undergraduate)</p> <p>Introductory Econometrics (undergraduate)</p> <p>Applied Data Analysis (undergraduate)</p> <p>Econometrics I (M.A)</p> <p>Methods of Economics Research (M.A.)</p> <p>Econometrics II (Ph.D.)</p> <p>Advanced Methods for Econometrics (Ph.D.)</p> <p>Carleton University, Instructor for</p> <p>Programming in R Workshop (Ph.D. level), 2022, 2023, 2024, 2025</p>
ACADEMIC APPOINTMENTS	<p>Research Assistant for Prof. Khalaf, Carleton University, 2019-2023</p>

## HONORS AND FELLOWSHIPS

### Carleton University

Carleton Senate Medal for Outstanding Academic Graduate Achievement, November 2025

Carleton Departmental Scholarship, 2019-2024

Full Graduate Teaching Assistantship, 2019-2023

W. Irwin Gillespie Graduate Scholarship to the most outstanding Ph.D. student in the Economics program, 2022

### University of Calabria

Research fellowship, Spring 2018

Erasmus-Traineeship fellowship, Winter 2019

### Statistics Canada

Appreciation Team Award, June 2022

## LEADERSHIP AND SERVICE

Event coordinator, Economics Graduate Student Society, Carleton University, 2020-2021

Co-president of the Economics Graduate Student Society, Carleton University, 2021-2022

Steering committee member of FPA Graduate Conference, Carleton University, October – March 2022

## REFERENCES

### [Lynda Khalaf](#)

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