



Statistical Sciences
UNIVERSITY OF TORONTO

2026

An abstract background image featuring a complex network of glowing blue and yellow nodes connected by thin lines, resembling a data visualization or a molecular structure, set against a dark background.

UNIVERSITY OF TORONTO **STATISTICAL SCIENCES** **RESEARCH PROGRAM (UTSSRP)**

Engage in cutting-edge research projects under the guidance of top statisticians. Gain hands-on experience in statistical theory, data analysis, and software application.

About UTSSRP

The University of Toronto's Department of Statistical Sciences is excited to invite applications for its second annual Summer Research Program, taking place from June 8–19, 2026. Designed for undergraduates passionate about statistics and mathematics, the UTSSRP provides a unique opportunity to work alongside some of the leading minds in the field. Participants will delve into complex data analysis, theoretical statistics, and contribute to ongoing research projects that have real-world applications.



Collaborative Research Experience

Students will collaborate in teams to tackle either theoretical or applied research projects under the guidance of our esteemed faculty and mentorship from doctoral candidates. The program culminates with participants presenting their findings through both a lightning talk and a poster session during the final day's celebratory reception.

Intensive Short Courses

Our program includes a series of engaging short courses that delve into both theoretical and applied aspects of statistics, delivered by internationally acclaimed faculty members. These courses are designed to provide intensive, graduate-level instruction in key statistical methodologies and frameworks.

Research Seminars

Our summer research program features a series of captivating seminars where faculty members will present their cutting-edge research, providing students with a window into the vibrant scholarly environment at the University of Toronto. These seminars not only highlight current scientific inquiries but also explore the varied career paths that our PhD graduates follow.

Experience U of T

Immerse yourself in academic excellence and urban vibrancy this summer at the University of Toronto.

University of Toronto Residence

Participants will stay in one of the University of Toronto's student residences, offering a comfortable and convenient home base steps from campus. U of T residences provide safe, well-appointed living spaces designed to support an engaging and community-oriented academic experience. All accommodations and travel expenses are fully covered by the program.



Toronto in the summer is vibrant with festivals, open-air events, and cultural activities. Beyond the rigorous academic schedule, you'll have ample opportunity to explore the city's rich tapestry of neighborhoods, cuisine, and entertainment.



Apply

Eligibility

To be eligible for the summer school, applicants must:

- Be Canadian citizens or permanent residents.
- Be 18 years of age or older at the beginning of the program.
- Be full-time university students currently in sophomore or junior year (starting 3rd or 4th year in Fall 2026).
- Have an average grade of A- (3.7) or above in mathematics and statistics courses.
- Be available to attend the whole two-week event.

Application

- [UTSSRP Application Form](#).
- A CV or resume.
- Transcript(s) (unofficial ones are accepted).
- Self-reported GPA of mathematics and statistics courses.
- One reference letter from a professor who can comment on your academic and research abilities and potential. The recommendation letter should be sent by the writer directly to utssrp.statistics@utoronto.ca by **February 15, 2026**.
- Select up to 3 preferred supervisors for the research project during the program. Note: We do not guarantee that all students will be matched with their preferred supervisors. However, all projects will be fun and valuable for the students' development.

To be considered, please email utssrp.statistics@utoronto.ca to receive the upload link to a secure folder.

Your full application must be received by February 15, 2026 at 11:59 pm ET.

UTSSRP Application Form download 

Supervisors

Each participant will select a supervisor from a distinguished group of faculty, who will guide their research throughout the program. Below, you will find brief descriptions of our faculty supervisors and their areas of specialization. For more detailed profiles and their complete academic contributions, please visit their profiles on our website.



Ricardo Baptista [🔗](#)

Focuses on probabilistic modeling and computational inference, developing generative and measure-transport methods for complex scientific and engineering problems.



Meredith Franklin [🔗](#)

An expert in spatiotemporal methods, Dr. Franklin focuses on estimating air pollution impacts with precision. Her innovative methods are crucial for environmental health research.



Sebastian Jaimungal [🔗](#)

Works on stochastic modeling, machine learning, and optimization, with applications in finance, insurance, and operations under uncertainty.



Josh Speagle [🔗](#)

Combines astronomy, statistics, and machine learning to build scalable models for mapping stellar populations and understanding galaxy formation.



Elena Tuzhilina [🔗](#)

Studies high-dimensional inference, statistical networks, and computational methods for modern data-intensive problems.



Stanislav Volgushev [🔗](#)

An expert in spatiotemporal methods, Dr. Franklin focuses on estimating air pollution impacts with precision. Her innovative methods are crucial for environmental health research.

Research Talks and Courses

Explore the frontiers of statistical sciences through research talks by our faculty, who will also lead specialized courses throughout the UTSSRP.

Applied Research

- Elena Tuzhilina
- Gracia Dong
- Josh Speagle

Theory

- Kieth Knight
- Meredith Franklin
- Ricardo Baptista
- Sebastian Jaimungal
- Stanislav Volgushev

Research Talks

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|-----------------------|---------------------------|
| • Jung Young Park | • Elena Tuzhilina |
| • Meredith Franklin | • Jeffrey Rosenthal |
| • Ricardo Baptista | • Josh Speagle |
| • Sebastian Jaimungal | • Nancy Reid |
| • Silvana Pesenti | • Thibault Randrianarisoa |



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