

Ali Raisolsadat

Email: sraisolsadat@upei.ca | Phone: 902-940-6492 | Charlottetown, PEI, Canada

LinkedIn: <https://www.linkedin.com/in/ali-raisolsadat/>

SKILLS

- Excellent written and verbal communication skills
- Organized with the ability to work well in high pressure environment
- Personable with the ability to work well with coworkers and the public
- Strong mathematical and analytical skills
- Strong research skills with ample experience
- Proficient in using Internet and computer applications including Microsoft Office, PowerPoint, Outlook, and Google Drive
- Intermediate level of using Microsoft Excel
- Proficient in English and Farsi (Persian)

EXPERIENCE

Student Research Assistant

University of Prince Edward Island, Charlottetown, PEI

January 2021 - PRESENT

- Conducted research regarding the United Nations sustainable development goals (SDGs), with help of Dr. Kai Liu.
- Gathered, arranged, and corrected the United Nations' SDG indicators to create representative graphs and charts highlighting results for presentations, using various R graphical and statistical packages and functions.
- Constructed and tested machine learning algorithms over the SDG indicator data and defined a sustainability index using the results.
- A research paper is currently being written for our findings.

Student Research Assistant

Veterans Affairs Canada, Charlottetown, PEI

May 2020 - September 2020

- Conducted research with Dr. Julian Velez regarding Cannabis for Medical Purposes (CMP) reimbursements and longitudinal claim frequencies.
- Planned, modified, and executed research techniques, procedures, and tests.
- Arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Created presentation of the time series models in R flexdashboard and RShiny.

Student Research Assistant

University of Prince Edward Island, Charlottetown, PEI

May 2018 - September 2018, May 2019 - September 2019

- Worked on a project titled "Geometric Approach to Risk Management", with Dr. Alex Alvarez.
- Modeled and implemented asset pricing models and geometric risk measures in MATLAB and R Software.

ACHIEVEMENTS

- Presented the research project at University of Prince Edward Island, both for the SPUR program (received SPUR scholarship) and as a colloquium presentation.
- Presented the research project in Science Atlantic 2018 (Université de Moncton) and achieved second place in the Statistics section of the presentations.

Administrative Office Assistant

Agriculture and Agri-food Canada, Charlottetown, PEI

July 2017 - September 2017

- Helped organize the semi-annual open house event for Agriculture and Agri-food Canada stakeholders.
- Office duties, such as printing, making binders for Charlottetown regional executives, filling out different forms, typing documents and setting up conference rooms.

EDUCATION

Actuarial Science

University of Prince Edward Island, Charlottetown, PEI

January 2020 - PRESENT

- Relevant coursework: Probability Theory, Long Term Actuarial Science Mathematics, Loss modeling, Machine Learning, Data Structures in Java, Data Mining and Visualization

Financial Mathematics

University of Prince Edward Island, Charlottetown, PEI

September 2014 - May 2019

- Relevant coursework: Interest Theory, Financial Mathematics, Financial Economics, Advanced Corporate Finance, Statistical and Mathematical Modeling

AWARDS

- Harry MacLauchlan Memorial Award in Mathematics, 2019
- SPUR award, 2018

VOLUNTEER EXPERIENCE

School of Mathematical and Computational Society Member

University of Prince Edward Island, Charlottetown, PEI

September 2015 - April 2019

- Assisted with planning and setting up events in the mathematics faculty.
- Finance executive of SMCS (School of Mathematical and Computational) society for the period of 2017-2018.

Citizenship Class Teacher

Prince Edward Island Newcomers Association, Charlottetown, PEI

September 2015 - July 2018

- Assisted and taught citizenship classes for newcomers.