


Ing. SEAN HELLINGMAN

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 Waterloo, Ontario, Canada  +1 (226) 792 8552

OBJECTIVE

To obtain a data analytics job with either a professional sports franchise or consulting company in order to further develop my applied skills and contribute to the data-driven decision-making processes in the industry.

EDUCATION

Wilfrid Laurier University, Canada *September 2018 - July 2022 (Expected)*

Ph.D. Mathematical and Statistical Modelling

Prague University of Economics and Business, Czech Republic

September 2016 - June 2018

M.Sc. Quantitative Economic Analysis

Minor in Insurance Mathematics

Daemen College, United States

September 2009 - December 2013

B.A. Mathematics

Minor in French

RESEARCH EXPERIENCE

Wilfrid Laurier University, Canada

September 2018 - July 2022

Ph.D. Dissertation: Statistical models for decision-making in professional soccer

- Developed and validated stochastic models for high frequency player tracking data
- Demonstrated the applicability of the stochastic models for decision-making regarding player substitutions
- Mixed effects regression implemented to identify desirable characteristics of drafted soccer players
- Uncovered significant impacts of rule changes on the MLS SuperDraft

Prague University of Economics and Business, Czech Republic

September 2017 - June 2018

Master's Thesis: Students in Canada and the Czech Republic - socioeconomic factors and their impact

- Compared university students in Canada and the Czech Republic using national survey data
- Identified and quantified the magnitude of students' socioeconomic backgrounds on their entry to university
- Identified key factors in students' choice of university study field

WORK EXPERIENCE

Wilfrid Laurier University, Canada

December 2019 - July 2022

Researcher

- Member of an international research project that aims to elucidate the relationship between psychosocial factors and cancer risk
- Cox proportional hazards models used to identify key variables related to cancer incidence
- Completed the harmonization and analysis for the Ontario Health Study cohort of the project
- Worked with and reported directly to local and international project supervisors

Wilfrid Laurier University, Canada

September 2018 - May 2022

Teaching Assistant

- Designed and facilitated tutorials for 3rd year probability course
- Graded and provided feedback on quizzes and exams from multiple statistics-based courses
- Consulted and aided students through office hours and email for multiple courses

Prague University of Economics and Business, Czech Republic

November 2016 - June 2017

Student Researcher

- Studied the various impacts on students of their socioeconomic backgrounds
- Worked with national survey data directly from the Czech statistical office
- Collaborated closely with other academics
- Analysis was conducted using non-parametric tests and various regression models

PUBLICATIONS

- van Tuijl, L. A., Voogd, A. C., de Graeff, A., Hoogendoorn, A. W., Ranchor, A. V., Pan, K. Y., Hellingman, S., ... & Dekker, J. (2021). Psychosocial factors and cancer incidence (PSY-CA): Protocol for individual participant data meta-analyses. *Brain and behavior*, e2340.
- Hellingman, S., Ryckenberg, S., Vltavská, K., & Mazouch, P. (in press). Social selectivity in higher education: A case study of Canada and the Czech Republic. *Alberta Journal of Educational Research*.
- Hellingman, S., Ryckenberg, S., Beutl, S., Vltavská, K., & Mazouch, P. (2017). Social background and other factors and their relationship with field of study of university students in the Czech Republic. *International conference on Efficiency and Responsibility in Education*. Czech University of Life Sciences Prague, 8-9 June. Prague, Czech Republic: Czech University of Life Sciences Prague. erie.v2.czu.cz/en/r-13628-proceedings-2017
- Ryckenberg, S., Hellingman, S., Vltavská, K., & Mazouch, P. (2018). Households of secondary school and university students: The case study of the Czech Republic *International conference on Efficiency and Responsibility in Education*. Czech University of Life Sciences Prague, 7-8 June. Prague, Czech Republic: Czech University of Life Sciences Prague. <https://erie.v2.czu.cz/en/r-13780-proceedings-2018>

SKILLS

Software: R, SPSS, EViews, Excel, Word, PowerPoint, MPL
Languages: English (Native Speaker), French (Intermediate), German (Intermediate)

EXTRACURRICULAR

- Various Countries** *September 2009 - July 2022*
Soccer Player
- FC Berlin, *Canada*
 - AFK Slavoj Podolí Praha, *Czech Republic*
 - Kamloops Heat, *Canada*
 - Wells City FC, *England*
 - B1903, *Denmark*
 - Daemen College Wildcats, *United States*
- Academia Lite, Canada** *April 2020 - July 2022*
Podcaster
- Co-host of a satirical podcast discussing poorly written or unusual academic articles
 - Uncover and develop episode topics across different academic fields
 - Over 60 episodes currently available

AWARDS

- Red Diploma for academic excellence** *July 2018*
Prague University of Economics and Business, Czech Republic
- Merit Scholarship** *September 2017 - June 2018*
Prague University of Economics and Business, Czech Republic
- Dean's Scholarship** *September 2009 - December 2013*
Daemen College, United States