Ing. SEAN HELLINGMAN Ph.D.

 linkedin.com/in/sean-hellingman researchgate.net/profile/Sean-Hellingman-2 hell5140@mylaurier.ca

 Kamloops, B.C., Canada +1 (226) 792 8552 Work Eligibility: Canada & EU/EEA

OBJECTIVE

To obtain a postdoctoral or industry position to further develop and apply my research skills.

RESEARCH EXPERIENCE

Wilfrid Laurier University, Canada   *September 2018 - September 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 football players
- Uncovered significant impacts of rule changes on the MLS SuperDraft

Wilfrid Laurier University, Canada   *December 2019 - August 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

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

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

ADDITIONAL EXPERIENCE

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 including regression and time series
- Consulted and aided students through office hours and email for multiple courses

Kamloops Youth Soccer Association, Canada   *September 2009 - August 2017*
Academy Coach
- Helped develop basic skills of young players
- Technical coach for elite program players
- Promoted football involvement through community soccer days

EDUCATION

Wilfrid Laurier University, Canada   *September 2018 - November 2022*
Ph.D. Mathematical and Statistical Modelling
- Ontario Graduate Scholarship

Prague University of Economics and Business, Czech Republic   *September 2016 - June 2018*
M.Sc. Quantitative Economic Analysis
Minor in Insurance Mathematics
- Red Diploma for academic excellence
- Merit Scholarship

Daemen University, United States   *September 2009 - December 2013*
B.A. Mathematics
Minor in French
- Dean's Scholarship
- Athletic Scholarship

PUBLICATIONS

- Hellingman, S., Mazouch, P., Vltavská, K., & Ryckenberg, S. (2022). Social Selectivity in Higher Education: A Case Study of Canada and the Czech Republic. *Alberta Journal of Educational Research*, 68(1), 50-74.

- 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., 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

SKILLS

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

EXTRACURRICULAR

Various Countries   *September 2009 - October 2021*
footballer
- FC Berlin, *Canada*
- AFK Slavoj Podolí Praha, *Czech Republic*
- Kamloops Heat, *Canada*
- Wells City FC, *England*
- B 1903, *Denmark*
- Daemen University Wildcats, *United States*

Academia Lite, Canada   *April 2020 - May 2022*
Podcaster
- Co-host of a satirical podcast discussing unusual academic articles
- Uncover, develop and explain topics across different academic fields
- Over 60 episodes currently available