

## Postdoctoral Position – Machine Learning and Operations Research in Wildfire and Healthcare at University of Alberta, School of Business

### **Position Description**

A postdoctoral research position is available at the Alberta School of Business, University of Alberta (Canada). The candidate will work on projects building prediction models using machine learning techniques in medicine and wildland fire applications. Depending on the candidate's interest, he/she may also work on developing optimization models that use prediction results for better decisions. The candidate will have access to large-scale administrative health data and extensive wildfire operations data, both from the province of Alberta.

Key responsibilities of the postdoctoral fellow are conducting data-driven research and working towards publications in high quality journals. Other responsibilities may also include communicating with collaborators in clinical or policy positions and co-supervising undergraduate or graduate students on research.

### **Qualifications**

Applicants should have a Ph.D. in industrial engineering, computer science, operations research, statistics, or other-related fields before the appointment begins. Applicants should have experience in coding and knowledge in machine learning. Strong written and oral communication skills are a must. A strong technical background is expected.

### **Application Details**

Please email curriculum vitae, contact information of three references, and a cover letter describing a candidate's particular strengths and interest in the position to Prof. ILBIN LEE at [ilbin@ualberta.ca](mailto:ilbin@ualberta.ca).

Application deadline: until position is filled. A batch of applications will be reviewed in mid-February.

Salary (up to CAD 60,000/year) and benefits are competitive based on qualifications.

### **About the School and the City**

The Alberta School of Business is one of the world's leading institutions in business education and research. We are one of the largest business schools in Canada with 75 faculty members, 2000 undergraduate students, and 600 students in our Masters and PhD programs. The University of Alberta is in Edmonton, which is a vibrant multi-cultural centre with over one million people that offers the benefits of an urban lifestyle combined with high-quality schools, varied restaurants, reliable public transportation, and ample opportunities for recreation.