

Identification and Assessment of Factors Impacting Air Traffic Operations at Airports and Airstrips in Northern Canada

PROJECT DESCRIPTION

The objective of this project is to identify and quantify the causes of flight delays, cancellations, and other scheduled service disruptions and service shortfalls to northern communities. In particular, the goal is to identify the contribution of a) weather, by community/geography, b) shortfalls in infrastructure, by community/geography, and c) crew timeouts, to service disruptions and shortfalls. This aspect of the project will involve much data work in R and/or Matlab: data cleaning, assessment, generating basic descriptive statistics.

FACULTY-DEPARTMENT

Engineering - Civil & Environmental Engineering

DESIRED FIELD OF (STUDENT) STUDY

All engineering disciplines, applied math, operations research

INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

NUMBER OF INTERNSHIP POSITIONS

1

INTERNSHIP START DATE

Between June 1 and July 4

INTERNSHIP END DATE

3 months after start date

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.

Contact: Brendan Cavanagh, Internship Coordinator (Inbound)
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