

Jr. Data Analyst

Job Overview

The Information and Communications Technology Council (ICTC) has an opportunity for a Jr. Data Analyst. The job of the Jr. Data Analyst is to perform in a demanding, high-energy environment requiring flexibility and innovative technical solutions to the challenges of cleaning, processing, interpreting and analyzing unstructured data. The Jr. Data Analyst will work with the Data Team to design and apply algorithms to extract insights from large quantities of imprecise unstructured data. The role falls under the ICTC Research & Policy team and is based in Vancouver. The role reports to the Manager of Data Analytics & Research.

Tasks

- Utilize statistical natural language processing to mine unstructured data, and create insights; analyze and model structured data using advanced statistical methods and implement algorithms to perform analyses.
- Build document clustering, topic analysis, text classification, named entity recognition, sentiment analysis, and part-of-speech tagging methods for unstructured and semi-structured data.
- Develop and perform text classification using methods such as logistic regression, decision trees and support vector machines.
- Produce interactive data visualisations, including heat maps and choropleths.

Knowledge

- 2+ years' work experience working with large complex datasets, or on big data products.
- Expertise with statistical programming using Python (experience with Numpy, Pandas, SciPy, Matplotlib, Plotly, Gensim, etc.).
- Demonstrable expertise using Python for interactive data visualization: e.g., choropleths, heat maps, time series. Proficiency with d3.js and/or Tableau is a plus.
- Experience with in-depth web scraping and sentiment analysis
- Familiarity with modelling ML algorithms: e.g., clustering, regularization, Bayesian inference, decision tree, etc.

Qualifications

- Bachelor's degree in Data Science, Statistics, or Mathematics is preferred; other Bachelor's degrees with extensive experience in the field will also be considered.
- Ability to quickly learn new data tools and techniques
- A self-motivated team player, comfortable working in a fast paced, exciting environment.
- Ability to work collaboratively with team members and share data tools and techniques to help build ICTC's data capabilities.

Culture & Values

- Dependable, with excellent time and project management skills.
- Excellent written and verbal communication skills.
- Flexible, with the ability to work with remote teams across Canada, receive feedback, and shift according to priorities.
- Possess integrity, with the ability to exercise sound judgement and confidentiality that comes with working with confidential information.
- Self-motivated, with the ability to take initiative, and think creativity in the face of obstacles.

Work Environment

- Entrepreneurial organization, committed to ensuring Canada's competitive advantage in a digital economy.
- Fast paced environment, managing multiple priorities with competing deadlines.
- Work is normally performed in a typical interior/office work environment.
- Offices located across the country; this role is based in Vancouver.
- On occasion, weekend and evening work will be required.