

Statistical Data Analyst

Permanent, full-time position

Your proven skills in research design and methodology for advanced qualitative and quantitative research and analytics will drive your success in supporting Peel District School Board (PDSB) Curriculum and Instruction initiatives through comprehensive research efforts – from assisting with the design of school and system-wide surveys for various stakeholders, to interpreting data and writing reports.

Reporting to the Chief Research Officer, Research and Accountability, you will design complex data problems and discover evidence-based knowledge through the use of advanced statistical methods, as well as algorithmic and visualization techniques. Your proficiency in integrating, preparing, managing and maintaining large, varied datasets, and architecting specialized databases and computing environments will prove indispensable in your role as a Statistical Data Analyst.

Working both independently and as part of a team of education researchers at PDSB, you will design research project analyses and databases, identify relevant and available data, create, select and/or modify evaluation measures, conduct advanced statistical analyses using a variety of procedures and software, and perform rigorous quality control checks to ensure data accuracy and integrity. In the complex, multi-stakeholder environment in which our Board operates, you will combine your analytical skills and knowledge of the Ontario curriculum, as you retrieve and analyze data from provincial and national surveys to further the understanding of issues impacting the Board and our stakeholders.

Looking to the future, you will also review research literature and current educational research to identify implications of interest to the Board, as well as gather, analyze and interpret data at the school, family of schools, Board, community, regional and provincial levels for future planning.

EXPERIENCE AND QUALIFICATIONS

With a master's degree in Statistics, or related education in a social science discipline, or equivalent, and at least 5 years' related experience in a research environment, you are well equipped to handle this complex analytical role. As a Statistical Data Analyst, you will also put the following to work:

- Demonstrated experience and skills in research design and methodology for advanced qualitative and quantitative research and analytics; high level of proficiency in statistical analysis, quantitative analytics, multivariate testing, data mining, multilevel modelling, latent variable modelling and various regression models.
- Knowledge of the Ontario curriculum, teaching models and current resources and documents.
- Good working knowledge of SPSS, Power BI, R, Python, GIS software, Access, Excel, PowerPoint and Word.
- Excellent organizational and time management skills for coordinating multiple ongoing projects.
- Excellent written and oral communication skills for report writing and presentations, with attention to detail.
- Ability to work under tight timelines, both as part of a team and independently.
- Demonstrated commitment to working in a diverse school community and/or work environment.

SALARY: \$73,673 - \$992,093 per annum

To apply for the Statistical Data Analyst position, please complete an online application through www.applytoeducation.com. Your completed application package on Apply to Education must include your cover letter, resume and supporting educational credentials. **Applications must be received no later than 4:30 p.m., Friday, April 5, 2019.**

The Peel District School Board is one of the largest school boards in Canada, with more than 153,000 students in 253 schools.

We appreciate the interest of all applicants, but will only be interviewing selected candidates. For the

safety of students, all school board staff need to provide a satisfactory criminal record check prior to commencement of employment.

The Peel District School Board is committed to equity in employment. We will provide reasonable accommodation, based on any of the human rights protected grounds, during the hiring process if advised in advance.