



Statistical Data Analyst

Assessment and Accountability
H.J A. Brown Education Centre
5650 Hurontario Street, Mississauga, ON

Reporting to the Chief Research Officer, Research and Accountability, the successful candidate will design complex data problems and discover evidence-based knowledge through the use of advanced statistical methods, algorithmic, and visualization techniques. The Statistical Data Analyst will require proficiency at integrating and preparing large, varied datasets, architecting specialized databases and computing environments and will work independently and as a part of a team of education researchers.

As the Statistical Data Analyst, you will be responsible for designing research project analyses and databases; identifying relevant and available data; creating, selecting and/or modifying evaluation measures; conducting advanced statistical analyses using a variety of procedures and software; performing rigorous quality control checks on work products to ensure data accuracy and integrity; managing and maintaining large datasets; retrieving and analyzing data from provincial and national surveys to enhance or further the understanding of issues that relate to the Peel District School Board and our stakeholders; monitoring and providing timely constructive feedback on project team tasks; retrieving and analyzing data from provincial and national surveys; developing and maintaining large-scale database; gathering, analyzing and interpreting data at the school, family of schools, board, community, regional and provincial levels for future planning; developing and preparing reports and/or manuscripts; conducting reviews of research literature, current educational research and identify implications; assisting in designing school and system-wide surveys for various stakeholders; collecting and managing qualitative and quantitative data; writing a wide range of research reports; assisting in presenting results; collaborating with team members; liaising with other school boards and community agencies; assisting with partnering with community and regional agencies and partners; and other duties as assigned.

Qualifications:

- Master's degree in either Education, Statistics, Biostatistics or Epidemiology or related education
- Minimum of five (5) years' related experience in a research environment and academic writing
- 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 modeling, latent variable modeling 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 is required
- Ability to work as a part of a team and independently
- Demonstrated commitment to working in a diverse school community and/or work environment
- Good understanding of equity, anti-oppression and anti-racism frameworks

Assets:

- TCPS2 certification

SALARY: Band Level 6 (Min. \$74,041 to Max. \$92,553) per annum

Applications through www.applytoeducation.com must be received no later than **4:30 p.m., Wednesday**,

June 24, 2020.

We appreciate the interest of all applicants, but will only be interviewing candidates, whose skills, experience and qualifications best meet the requirements of the position.

The Peel District School Board is committed to equity in employment. We are committed to equitable hiring practices that allow us to hire qualified staff who reflect the full diversity of the Region of Peel. We will make any reasonable accommodation, based on any of the human rights protected grounds, to support candidates to participate in the hiring process.

When contacted, candidates will be provided with an overview of the various elements of the selection process, such as tests and skill demonstrations. We will provide employment accommodation (i.e. an accessible location, rescheduling of interviews that fall on holy days) if we are advised of an applicant's needs in advance of any part of the selection process.

PREFERENCE WILL BE GIVEN TO QUALIFIED MEMBERS OF THE ADMINISTRATIVE STAFF GROUP (ASG).