David Pham

davidgortpham@gmail.com - linkedin.com/in/david-gort-pham

Experience

Bilingual Data Analyst   Oct 2022 – Present
Council of Ministers of Education, Canada (CMEC)

- Lead data analyst for the Pan-Canadian Indicators on Student Financial Assistance (PCISFA) project, working closely with 13 provincial and territorial partners to collect and analyze large-scale data, and deliver actionable insights on student financial aid programs.
- Design and maintain a national database with over 100+ indicators, improving reliability and automating data collection processes with **Python** (NumPy, pandas) and **Excel**, reducing manual workload by ~40%.
- Produce annual insight reports featuring **Power BI** dashboards, statistical tables, and trend analyses, translating complex findings into clear, evidence-based recommendations for policymakers and government officials.
- Conduct annual methodological reviews, including data testing, validation, and policy alignment to ensure consistency and accuracy across diverse data sources and evolving policy frameworks.

Research Assistant (Statistics Education Developer)   Jan 2022 – Apr 2022
University of Toronto Department of Statistical Sciences

- Planned and designed an interactive statistics-themed virtual escape room using **R**, collaborating with 30+ team members.
- Created educational content on statistical literacy and ethical practice, generating 3,500+ impressions and 400+ engagements.
- Coordinated scheduling, testing, and QA with faculty and research staff to ensure smooth release of content and delivery of the escape room.

Research Assistant - Data Analyst   May 2021 – Sep 2021
University of Toronto

- Analyzed 3000+ open-ended survey responses using **Python and Excel**, applying text processing techniques for a study on work, stress, and health during COVID-19
- Built statistical tables and data visualizations using **R** and **Excel** to communicate key insights for academic presentations and publication-ready materials.

Education

Georgia Institute of Technology   Aug 2025 – Aug 2027
MSc. Analytics (Computational Data Analytics Focus)

University of Toronto (St. George)   Sep 2018 – Jun 2022
HBSc. Mathematics and Statistics Specialist

Technical Skills

Python (NumPy, pandas), R (dplyr, tidyverse, ggplot2, knitr), Excel, Power BI, Tableau, SQL, Git/GitHub

Projects

League of Legends Data Analysis – Smurf Detection & Ranked Progression

- Analyzed ranked match data using **R** (dplyr, ggplot2) to model rank progression and identify smurfing patterns for a school project.
- Cleaned and merged multi-source datasets from the Riot API, and explored relationships between rank, experience, total games played, and performance.
- Wrote a structured analytical report interpreting statistical results and visualizations for technical and non-technical audiences.

Independent Readings Course – Ethical Practice for Statisticians   *Project Link*

- Was selected to be 1 of 3 students to study statistical misuse in everyday media and scientific research.
- Wrote a 9-page **RMarkdown** report synthesizing academic sources and presented key insights in seminars.