Carlos Restrepo

Data Analyst

(647) 920-4626
Mississauga, Ontario
carlos.restrepo@live.ca

Personal Website
Github
LinkedIn

EDUCATION

Microsoft Certified: Power BI Data Analyst Associate	2024
Excel to MySQL: Analytic Techniques for Business, Coursera	2023
IBM Data Science Professional Certificate, Coursera	2022
Master of Science in Applied Mathematics, *Ryerson University*	2022
Bachelor of Science in Mathematics and Computer Science, *University of Toronto*	2018

TECHNICAL EXPERIENCE

Tutor, Data Analyst   **Jan 2022 — Feb 2024**
Self Employed

- Applied data analysis knowledge to collected tutoring service data.
- Created data pipeline to extract, transform and load service data from calendar API using Python.
- Simplified data collection process by creating an online form and database for students to book appointments.
- Analyzed data and created yearly/semester dashboards from database using Python and Tableau.
- Developed semantic model for data storage and visualizations in Power BI.
- Applied insights to change service model and marketing strategy resulting in increased customer acquisition and retention.
- Designed interactive reports and dashboards for performance metrics.
- Click for a sample visualizations

Numeracy Instructor II   **Sep 2017 — Feb 2024**
University of Toronto

- Program Coordinator for Foundational Mathematics Skills for University:

  - Revamped program curriculum down 20% to streamline topics.
  - Set up and managed learning management system, communicating with 500 enrolled students.
  - Created 6 weeks of reusable learning materials and exercises.
- Prepared over 1000 hours clear presentations at all levels of mathematics including computational, theoretical and statistical topics.
- Coordinated with professors to set expectations and update on progress.
- Managed and met overlapping weekly deadlines for up to 4 courses at a time.
- Accelerated students' understanding and study skills in one-on-one appointments.

SKILLS

Languages and Software	Python, R, Tableau, Excel, PowerBI, Salesforce, mySQL, NoSQL, JavaScript, Git, Jira, Agile, Microsoft Office.
Libraries and Tools	Dashboards, VLOOKUP, Pivot Tables, word processing, spreadsheets, ETL, CRM, numpy, pandas, sklearn, matplotlib, Node.js, jQuery, polynomial regression, logistic regression, classification, clustering, modeling, semantic model, DAX.
Communication	Fluent in English and Spanish.

PROJECTS

Learning Centre Location Analysis

- Used Ontario schools location data and Foursquare API to determine opportunities where a new learning centre could succeed.
- Created pandas dataframes for school location, enrollment and economic factors as well as nearby learning centre locations.
- Visualized geographic data using matplotlib.
- Applied KMeans clustering from sklearn to identify schools to target.
- Extended script to take city names as inputs to generalize process.