Carlos Restrepo

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SUMMARY

University educator prepared to move to data analysis.In the past year I have been analyzing my own data from freelance tutoring. I have been performing ETL and preparing dashboards for myself, deriving insights to increase effectiveness in marketing strategy and data collection.

I believe my presentation skills are especially transferable in telling data stories and explaining thought process. With a solid analytical and programming base and machine learning knowledge I can find ways to improve systems and processes.

EDUCATION

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

SKILLS

Languages and Software	Python, R, Tableau, Excel, PowerBI, mySQL, NoSQL, JavaScript, Git, Jira
Libraries and Tools	Dashboards, VLOOKUP, Pivot Tables, ETL, numpy, pandas, sklearn, matplotlib, Node.js, jQuery, polynomial & logistic regression, classification, clustering
Communication	English, Spanish

TECHNICAL EXPERIENCE

Data Analyst   **Sep 2022 — Feb 2024**
Freelance

- 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
- Created and maintained online calendar from database information.
- Analyzed data and created monthly/semester dashboards from database using Python and Tableau.
- Applied insights to change service model and marketing strategy resulting in increased customer acquisition and retention.
- Click for a sample visualization

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

- Program Coordinator for Foundational Mathematics Skills for University:

  - Revamped program curriculum 20% to streamline topics.
  - Set up and managed learning management system, communicating with 500 enrolled students.
  - Created reusable learning materials.
- Prepared 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 different courses.
- Accelerated students' understanding and study skills in one-on-one appointments.

PROJECTS

Learning Centre Location Analysis

- Use Ontario schools location data and Foursquare API to determine opportunities where a new learning centre could succeed.
- Create pandas dataframes for school location, enrollment and economic factors as well as nearby learning centre locations.
- Visualize geographic data using matplotlib.
- Apply KMeans clustering from sklearn to identify schools to target.
- Extend program to take city names as inputs to generalize process.