SOPHIA VALDIZON

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SKILLS AND QUALIFICATIONS

- Successfully work in a team setting contributing ideas and ensuring all deadlines are met
- Critical thinker with ability to manage multiple projects concurrently
- Ability to present research findings and recommendations in a practical and relevant language
- Attentive to visual and grammatical detail
- Highly organized with a proven ability to prioritize time to efficiently complete tasks
- Experience in quantitative analysis, marketing research, and statistical analysis
- Programming Languages: R, Python, SQL, SAS, C, JavaScript
- Certifications: SAS, IBM Business Intelligence Analyst, IBM SPSS Modeler
- Advanced experience using: Tableau, Cognos Analytics, SPSS Modeler, Excel

EDUCATION

Analytics for Business Decision Making
Mohawk College- Hamilton, ON
September 2021- Present
- Managed multiple projects concurrently: 7 courses, a capstone project and a data competition
- Working with Hamilton Health Sciences Corporation to allocate limited resources
  - Created growth visualizations of Hematology program based on patient visit volume using Tableau
  - Determined nurse to patient ratio and recommended hiring more nurse practitioners based on data analysis using Python
  - Analyzed survey data to measure the perspective of the nurse practitioners
- Placed 3rd in data analytics competition hosted by Mohawk College- Higher Education Analytics Data Competition (HEAD) analyzing parking lot data
  - Requested and obtained Criminal Dataset from Hamilton Police
  - Calculated parking lot fees using chargeable minutes obtained with Python library: Business Duration
  - Identified a subpopulation of weekly users using Python code
  - Calculated parking lot occupation by hour using entry and exit times
  - Presented a poster and a live 20minute presentation to a panel of judges
  - https://www.youtube.com/watch?v=38oKlg48r0I&t=3s

Bachelor of Mathematics and Statistics Honours
University of Windsor- Windsor, ON
April 2018

Certified IBM Business Intelligence Analyst- Intermediate
December 2021

SAS Certified Base Programmer for SAS 9
Serial Number: BP064545v9
October 2016

PERSONAL PROJECTS

Transport Canada's National Seatbelt Usage Survey
September 2017- October 2017
- Analyzed provincially clustered data to determine the Canadian national seatbelt usage to be 94% ± 1.0 using R
- Built dashboard for continuous metric monitoring, using Tableau

Toronto Police's Seriously Injured or Fatal Outcome Collisions Data
September 2017- December 2017
- Determined statistically significant factors contributing to fatalities occurring in Toronto collisions by performing a Regression Analysis using R