**L. Austin Hadamuscin**

Lakewood, OH | 419-564-5188 | austinhada@gmail.com| linkedin.com/in/austinhada

**DATA SCIENTIST | DATA ANALYTICS**

Curious, resourceful, and problem-solving data scientist with demonstrated experience in applied statistics. Utilize investigative and lifelong learning skills to apply innovative data science / statistical techniques to deliver unique analytical solutions. Collaborate effectively with various organizational levels to exceed prescribed goals.

**AREAS OF EXPERTISE**

Linear Models | Statistical Research | Machine Learning | Data Mining | Data Cleaning | Big Data Analytics |

Regression Analysis & Models | Interpersonal & Business Communications

**TECHNICAL SKILLS**

R | caret | SQL | Snowflake | Python | Statistical Modeling (Linear Regression, Logistic Regression, Regularized Regression, k-NN, Clustering, Decision Trees, Random Forest, Ensembles, Principal Component Analysis) | Data Visualization | Sample Design | Word | PowerPoint | Excel | VBA | Microsoft Teams | Zoom | Webex

**PROFESSIONAL EXPERIENCE**

**Farmers Insurance,** Independence, Ohio **July 2022 - September 2023**

**Auto R&D Predictive Analyst I**

Collaborated in a cross-functional team to develop automotive insurance pricing products by accurately modeling claim loss data using Poisson Generalized Linear Models.

* Researched and presented loss ratio trends across various discrete modeling variables which guided the decision to model an unmodeled coverage.
* Interpolated and smoothed levels of rating variables while maintaining an earned exposure weighted average equal to the modeled level.
* Performed least squared means to fine tune pricing models.
* Managed, optimized, and used automotive credit rating engines that validated automotive insurance product rollouts.
* Cleaned vendor data to create modeling variables for a minimal viable product.
* Used SnowSQL, DBeaver, and SAS to wrangle, clean, and prepare complex data for modeling and analysis.
* Automated peer review using R for automotive insurance rate filings, enhancing efficiency in compliance processes.
* Strategized with manager and coworker on modeling techniques to use to rebuild an old underwriting model.

**Bowling Green State University,** Bowling Green, Ohio **August 2021 - May 2022**

**Graduate Instructor**

Collaborated with professor and undergraduate assistants regarding a 4-credit Algebra course on instruction and policies for a class of 70 undergraduate students.

* Facilitated course instruction and assisted students with questions regarding material.
* Provided one-on-one and small group instruction during office hours.
* Graded journals and tests weekly and submit the grades.

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**EDUCATION**

**Master of Science in Applied Statistics** August 2022

Bowling Green State University (BGSU), Bowling Green, Ohio

GPA: 3.909

Thesis: Information Approach to Change Point Analysis and its Application to Fiscally Standardized Cities

* Conducted an in-depth analysis of change point detection in sequential data, employing the Schwarz and Modified Information Criteria, applied to the financial data of 212 U.S. cities from the Fiscally Standardized Cities database, revealing insights into federal funding patterns and city revenue sources over four decades.

Term Project: A Cluster-Based Approach to Fitting Regression Models

* Developed and implemented a cluster-based regression approach to model healthy life expectancy using World Health Organization (WHO) data, employing techniques such as k-NN for data imputation, k-Means and Model-Based clustering for data segmentation, random forest for feature importance, and LASSO regression for predictive modeling.
* Identified key factors like adult mortality rate and infant deaths affecting life expectancy across different global clusters.

**Bachelor of Science in Mathematics, Specialization in Data Science with a General Science minor** May 2019

GPA: 3.552

Dean’s List, 2016 – 2019