Colton Gearhart

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TECHNICAL SKILLS

- Strong statistical background.
- Data handling in R, including extensive use of tidyverse packages.
- Data visualization using R, including ggplot, plotly and shiny applications.
- Creating dynamic reports and websites in Quarto.
- Modeling in R, including model selection and validation techniques.
- Machine learning.
- Proficient in SQL.
- Git and GitHub.
- PowerBI and Tableau.
- Excel and Excel VBA.
- Strong desire to learn Python.

EXAMS / CERTIFICATIONS

- Exam P: SOA
- Exam FM: SOA
- MAS 1 Exam: CAS
- Exam 5 (ratemaking): CAS → Awaiting results
- Base SAS Certified

LANGUAGES

- Native English
- Upper Intermediate Spanish

PROFESSIONAL SUMMARY

- Experienced data practitioner looking to transition into a data science role.
- Unique perspective as a former educator and current industry worker with strong ability to communicate complex data to non-technical audiences.
- Expertise in data management, analysis, visualization, and predictive modeling to make data-driven decisions.

WORK EXPERIENCE

ASSISTANT ACTUARY

Stillwater Insurance Group   May 2024 - Present

- Produce, manage, and make enhancements to our Excel rater.
- Create database used to update current tier factors using SQL and R.
- Perform ad hoc analyses to examine loss results using a combination of Excel, R, and PowerBI.
- Manage and improve monthly reports using SQL.
- Produce quarterly indications.

PROFESSOR

Ball State University   Aug 2022 - May 2024

- Designed and implemented an asynchronous course in data visualization.
- Led students through undergraduate probability and statistical theory courses and a quantitative reasoning course.
- Prepared all course materials such as syllabi, guided notes, and homework assignments.
- Delivered content lectures and facilitate classroom discussions.

PRICING / PRODUCT INTERN

American Modern Insurance Group   Jan 2017 - Sep 2017

- Advanced use of Excel and SQL to price a new water product.
- Work with RADAR to analyze portfolios.

EDUCATION

Miami University   Aug 2018 - May 2020
Master of Science in Statistics

Northern Kentucky University   Aug 2015 - May 2018
Bachelor of Science in Mathematics & Statistics

RESEARCH EXPERIENCE

Master's Project: Sample size requirements for fitting multiple regression models

- This research project used simulation to determine the validity of these rules under varying circumstances and how simulation can be used to help size a study aimed at prediction.

Greaves Undergraduate Summer Research Fellowship

- Gearhart, C. (2018), Implementation of Gibbs Sampling within Bayesian Inference and its Applications in Actuarial Science, SIAM Undergraduate Research Online, Vol. 11.