

SEBASTIAN GOBAT

Healthcare data scientist & tech-head

Raleigh, NC

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 <https://github.com/ds-sebastian>

Skills

Python • Azure DevOps/Git • Scikit-Learn • Pandas • VS Code • Excel • SQL • Tableau • R

Experience

DATA SCIENTIST


 11/2021 to Present

MYNEXUS/AIM SPECIALTY HEALTH/ELEVANCE HEALTH

 REMOTE

- Establishing an Azure machine learning pipeline using Python to solve a binary classification problem of whether a home health authorization service line can be auto-approved, significantly saving clinical costs.
- Running a pilot under the clinical AI team to evaluate John Snow Labs' NLP capabilities in a specific use-case for physical therapy. Comparing against other in-house and custom NLP techniques.
- Developing tree-based machine learning models to auto approve MRI cases based on different modalities, using scikit-learn pipelines, CatBoost, and NLP techniques.

SENIOR ACTUARIAL ANALYST

 02/2021 to 11/2021

MYNEXUS/AIM SPECIALTY HEALTH/ELEVANCE HEALTH

 REMOTE

- Performing opportunity analysis for expansion into new Post-Acute Care markets, using common utilization and cost metrics
- Budgeting and forecasting Home Healthcare markets with assumptions for utilization, cost, and membership.
- Assembling Tableau and Excel reports with claim line level details in SQL, creating metrics and reporting for home health data including days, episodes, and visits

ACTUARIAL ANALYST II

 04/2019 to 01/2021

OPTIMA HEALTH INSURANCE / SENTARA

 VIRGINIA BEACH, VA

- Developed analytical dashboards using Excel and SQL for complex self-funded stop-loss product lines, including projections, IBNR, and rating methods. Working closely with data science consultants for stop loss predictions.
- Forecasted loss ratios in commercial line of business based on historical pricing, membership, and claims trends
- Performed traditional actuarial roles in rate filing, pricing, and trend analytics for commercial groups.
- Enhanced department-shared SQL database with various dynamic tables and views to improve speed for various tasks.
- Tested various claims projection models using simulation, time-series, or machine learning algorithms.

ACTUARIAL ANALYST

 11/2016 to 03/2019

CONRAD SIEGEL ACTUARIAL CONSULTING

 HARRISBURG, PA

- Managed multiple OPEB plans, valuing school district and township medical, prescription, dental, and vision benefits.
- Performed asset balancing and inspect for timely contributions to ensure participants are paid correct amounts.

CONSUMER EXPERIENCE MARKET ANALYST

 12/2015 to 11/2016

WOODSTREAM CORPORATION

 LITITZ, PA

- Lead development of statistical safety stock models with current observations and assumptions for operations management.
- Produced an Amazon forecast and budget model for 2017 using purchase history and demand forecasts with sales team.
- Utilized probabilities and statistical techniques to project expected warranty claim expenses.
- Conducted market basket research and produced cost/benefit analysis for management concerning syndicated reviews project.
- Projected sales impact of fluctuations to consumer reviews and online prices.

Education

BACHELOR OF ART (B.A.) IN FINANCE; MINORS IN ACTUARIAL SCIENCE & BIBLICAL STUDIES, 2015

Cedarville University, Cedarville, OH

Actuarial Exams

Exam P • Exam MFE • Exam PA • Exam FM • Exam C • Exam LTAM