

# Nicholas Bultman

njbultman74@gmail.com  
608-445-4784

[LinkedIn](#)  
[Project Portfolio](#)

Experienced financial analyst passionate about leveraging data to create financial predictability with R, Python, and SQL.

## Professional Experience

### TruStage (Formerly CUNA Mutual Group)

Senior Analyst, Investment Support at TruStage Investment Management

Madison, WI  
Sep. 2021 - Present

- Modeling portfolio tail risk, forecasted calls, and private equity income/NAV to ensure proper investment risk/planning
- Developing reports in Excel and Power BI for option adjusted spreads on purchases for better performance evaluation
- Refactoring SQL queries for reports in Excel/Power BI to enhance performance and transition to Snowflake from MS SQL Server
- Led 2023 annual asset allocation competitor study comprising 60+ companies to inform strategic asset allocation
- Reconstructed proprietary mortgage loan pricing model into web-based application using R's Shiny package and BondEdge APIs
- Automated numerous workflows with Python, including daily Bloomberg PORT loads and option adjusted spread categorizations

Senior Financial Analyst

Jul. 2020 - Sep. 2021

- Optimized revenue prediction models for commercial lending products through ETS/ARIMA methodologies in R
- Collaborated with internal customers to build/manage budgets for IT totaling \$158M
- Led training series on Excel's Power Query to colleagues across finance to build area's data proficiency

Financial Analyst II

Jun. 2018 - Jul. 2020

- Explored 700+ variables to determine predictive power for current models with R, Apache Hive, Databricks, and Snowflake
- Collaborated with internal customers to build/manage budgets for Business Experience totaling \$360M
- Automated 40+ monthly financial reports with VBA/Excel's Power Query to save eight to ten hours monthly

### American Family Insurance

Auto Physical Damage Specialty Operations Intern

Madison, WI  
May 2017 - Sept. 2017, Dec. 2017 - Jan. 2018

- Performed statistical analyses to ensure continuous improvement through the lean framework
- Partnered with Middleton Outreach Ministry (MOM) to address Dane County's affordable housing issue and earned \$1000 for MOM

## Education & Skills

**University of Wisconsin-Madison**  
**Degree:** Bachelor of Business Administration  
**Majors:** Finance, Investment and Banking & Risk Management and Insurance

Madison, WI  
May 2018  
**Overall GPA:** 4.00/4.00

### Education

**DataCamp Statistical Programming Educational Platform**  
[Certified Data Scientist](#)

[Profile](#)  
Apr. 2021 - Apr. 2023

### Skills

<b>R</b> tidyverse • caret plotly • shiny	<b>Python</b> pandas • sklearn seaborn • numpy	<b>SQL</b> Snowflake MS SQL Server	<b>Shell</b> nano • git cron • tmux	<b>MS Tools</b> Excel • Power BI Word • Outlook PowerPoint • Teams
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## Project Portfolio

- BMW Used Car Baseline Price Prediction - DataCamp Certification Case Study**
  - Report detailing machine learning pipeline in R through random forest algorithm and tidyverse & caret packages
  - Package to productionalize modeling pipeline in R
- sleeperapi - R Package Repository**
  - R package wrapper around Sleeper (Fantasy Sports) API - available on CRAN
- NCAAM March Machine Learning Mania 2021 - Kaggle Competition**
  - R notebook with top 10% solution - leveraged elastic-net regression algorithm and tidyverse & caret packages
- Fund Investing: Bitcoin a Go or No? - DataCamp Workspace Notebook**
  - R notebook exploring investment diversification with Bitcoin using various graphing/transformation packages
- pyxlsfunctions - Python Package Repository**
  - Python package to help bridge gap between Python and Microsoft Excel
- Sleeper Fantasy Football Power BI Dashboard**
  - Power BI dashboard queried through Sleeper (Fantasy Sports) API using the sleeperapi R package

Wisconsin School of Business Microsoft Excel Proficiency Certificate