Nicholas Bultman

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LinkedIn
Project Portfolio

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

Professional Experience

CUNA Mutual Group   **Madison, WI**
Senior Analyst, Investment Support   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 and total portfolio for benchmark comparison
- Refactoring SQL queries to enhance performance on pulls for reports in Excel, Power BI, and Tableau
- Monitoring key risk metrics (exposure limits, tail risk) while streamlining glide path generation to reach strategic asset allocation
- Automated numerous workflows for efficiency gains, including Bloomberg PORT loads and option adjusted spread categorizations

Senior Financial Analyst   Jul. 2020 - Sep. 2021
- Optimizing revenue prediction models for commercial lending products through ETS/ARIMA methodologies in R
- Collaborating 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 RStudio, 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   **Madison, WI**
Auto Physical Damage Specialty Operations Intern   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

Education	**University of Wisconsin-Madison** **Degree:** Bachelor of Business Administration **Majors:** Finance, Investment and Banking & Risk Management and Insurance **DataCamp Statistical Programming Educational Platform** *Certified Data Scientist*	**Madison, WI** May 2018 **Overall GPA:** 4.00/4.00 **Profile** Apr. 2021 - Present

	R	Python	SQL	Shell	MS Office
Skills	tidyverse • caret plotly • shiny	pandas • sklearn seaborn • keras	Snowflake MS SQL Server	VIM • git cron • tmux	Excel • Access Word • Outlook PowerPoint • Teams

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
- **pyxlsxfunctions – Python Package Repository**
  - Python package to help bridge gap between Python and Microsoft Excel
- **House Price Prediction – Kaggle "Getting Started" Competition**
  - Python machine learning notebook with XGBoost algorithm and pandas, numpy, & sklearn packages

Wisconsin School of Business Microsoft Excel Proficiency Certificate