MATTHEW G. HOFF

Manager of Portfolio Risk & Analytics

💼 PROFESSIONAL EXPERIENCE

Manager, Portfolio Risk & Analytics
Energy Harbor Corp. 📍 Akron, OH
- Oversaw development of nuclear generation asset risk pricing model inherent in the company's application for the DOE's Civil Nuclear Credit program
- Managed seamless cloud migration of business-critical data warehouse: ZEMA
- Developed & automated the company's Financial Trade Position report
- Developed, automated, & manage numerous risk metrics (VaR, GMaR, etc.) concerning the above financial position
- Developed & implemented a weekly-held analyst-directed R Skills training course
- Managed the completion & clean-up of the company's hedge confirmation backlog
- Developed new methods for creating price risk adders for Structuring & Pricing
- Converted all company QlikView processes to R

Present | 2021

Data Scientist, Risk Management
Energy Harbor Corp. 📍 Akron, OH
- Developed custom R package for interacting with Hitachi's TRMTracker API to enable the creation & automation of data pipelines
- Created automated data pipeline between source systems (e.g. ZEMA) and the company's trade system of record (TRMTracker)

2021 | 2020

Analyst, Regulated Settlements
FirstEnergy Corp. 📍 Akron, OH
- Optimized & automated daily PJM load settlements review & upload processes reducing work-hours by ~20% while eliminating the potential for manual data processing errors

2020 | 2019

Analyst, Rates & Regulatory Affairs
FirstEnergy Corp. 📍 Akron, OH
- Optimized the month-end Metered-but-Unbilled (MBU) accounting process
- Revolutionized the weather normalization methodology as part of the above MBU
- Board Member of business resource group for quants: "The Quant Group"
- Co-founder of the *Purpose, Power, & Perspective* Executive Leadership group
- Developed & published the FirstEnergy Corp Data Science & Machine Learning Playbook for Executive Leadership

2019 | 2015

👨‍🏫 TEACHING EXPERIENCE

Economic Forecasting & Time Series Analysis in R
Assistant Lecturer, *The University of Akron* 📍 Akron, OH

2019 | 2017

Econometrics & Senior Project
Graduate Teaching Assistant, *The University of Akron* 📍 Akron, OH

2014 | 2013

🎓 EDUCATION

The University of Akron
Master of Arts, Economics 📍 Akron, OH

2014

The University of Akron
Bachelor of Sciences, Mathematics 📍 Akron, OH

2013

CONTACT INFO

- ✉ matthew.g.hoff@gmail
- in linkedin.com/mghoff
- ○ github.com/mghoff
- 📞 +1 (330) 612-6785

SKILLS & INTERESTS

Data Science	Statistics	R
Statistical Learning	Kaggle
Time Series	Mapping	Git
Automation	SAS	Shiny
Data Visualization	Python
Process Improvement
Mathematics	Forecasting
Simulation	Econometrics

Highly skilled in R, Shiny, SAS, Git, & LaTeX with an analytics focus on time series & stochastic modeling of weather, energy, & pricing

Made with R & **pagedown**.
Last updated on 2022-11-20