Scott Laing
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EDUCATION

UNIVERSITY AT BUFFALO, THE STATE UNIVERSITY OF NEW YORK
Doctor of Finance (PhD) in Finance and Managerial Economics 2023

Masters of Science (MS) in Finance 2016
Conc. Financial Management and Quantitative Finance

Bachelors of Science (BS) in Finance and **Bachelors** of Science (BS) in Actuarial Mathematics (Double Major) 2015
Minors in Economics, Computer Science, and Statistics

RESEARCH

Topics of Interest: Sustainability, Environmental Social Governance (ESG), "Green" Finance, Asset Pricing in the Cross Section of Stock Returns, Corporate Finance, Textual Analysis (NLP Processing), Impact Investing

Dissertation: 3 Essays on Unexplored Topics in ESG Literature

Advisor Chair: Cristian Tiu, Committee Members: Feng Jiang and Dominik Roesch

Untitled ESG related Difference-in-Difference Empirical Paper

Working Paper- Coauthors: George O. Aragon, Yuxiang Jiang, Juha Joenvaara, Cristian Tiu

Untitled Job Quality Index Asset Pricing Paper

Working Paper- Coauthors: Cristian Tiu

Information Asymmetry in IPO Prospectus Documents: Impact on Financial Analysts

Working Paper, Solo Author, Presented as Departmental Level Research Showcase as well as overall PhD Showcase

ESG Impacts of West Virginia vs Environmental Protection Agency, 2022

Working Paper, Co-Authored with Jeayoung Park and Yi-Da Tsai

TEACHING EXPERIENCE

University at Buffalo

Financial Modeling (MGF: 637) Instructor – Fully Built Course for MS/MBA Programs (STEM) 2017 – Current

- R/RStudio (Posit) built around 3 main themes: Data Science, Finance, and Advanced Modeling
- Data Science: Data Manipulation/Data transformation tools, Data Visualization techniques, etc.
- SQL querying, API handling through Tidy framework, and Database Management via RDBMS (Relational Data)
- Technical/Fundamental Analysis: stock price data pulls, equity returns and portfolio formation, CAPM benchmarking
- API to access key Financial Statements: Balance Sheet, Income Statement, Statement of Cashflows, and Key Fundamental Multiples/Ratios for DCF workflows.
- Modeling: Advanced Time Series modeling through Tidymodels incl. ARIMA Modeling, ETS Modeling (Exponential Smoothing), Prophet Modeling, Random Forests, Forecasting via Time Series Modeling via FRED
- Advanced Data Querying through Wharton Research Data Services (WRDS). Access CRSP for Stock Price Data, Compustat for key Accounting Data, merge databases and establish remote connections.
- Construct Efficient Frontier and explore the Minimum Variance Framework, as well as Factor Modeling, Beta formation, Rolling Regressions, and Fama Macbeth Techniques.

Advanced Corporate Finance (MGF: 405) Instructor 2018 – Current

- Undergraduate Senior level course taught in-person, virtually, and through hybrid formats.
- Review of Time Value of Money, including Perpetuities, Annuities, Bond Pricing, Future Value and Present Value calculations, and more.
- Capital Structure theory, from Cost of Equity to Cost of Debt and the Weighted Average Cost of Capital in terms of firm financing decisions, Bond Pricing and Equity Valuation, Stock Structure, Modigliani & Miller Theory, etc.
- Students learn how to compute via Financial Calculator and through Microsoft Excel, the course goes on to cover Power Query and Power Pivot framework for future student career opportunities. They also have the option to be exposed to either RStudio or Python as well for Extra Credit and additional skill building.

Investment Management (MGF: 402) Instructor 2021 – Current

- Course structured on Asset Allocation, Portfolio Theory, Security Selection, Derivatives, and more.
- Applied Excel sheets and Financial Calculator guided problems to solidify learning concepts beyond theory.
- Modular approach to learning outcomes including experience with Python, R Programming, and more.

Head Teaching Assistant: Applied Economics (MGE: 302) 2016 – Current

- Work with 400 – 500 students from domestic population as well as Singapore
- Concepts are Supply/Demand, Marginal Revenues/Costs, Tariffs, Consumer/Producer Surplus, Price Controls, etc.
- Weekly discussion sessions, review sessions, exam preparation sessions, etc.

Additional Course Experience:
Fixed Income, Intro to Statistics, Portfolio Theory, Derivatives, Intro to Data Science, Data Modeling Workshops

Buffalo State College

Microeconomics (ECO 202) Instructor 2020 - 2022

- Undergraduate microeconomics course covering 4 semesters, two sessions per semester, virtual and in-person
- Supply/Demand curves, Marginal Costs vs Marginal Revenues, Consumer/Producer surplus

Erie County Community College (ECC)

Microeconomics (ECO 103) Instructor 2022 – Current

- In-person sessions and virtual recordings for student flexibility. Weekly discussions incorporated to enforce content
- Supply/Demand curves, Marginal Costs vs Marginal Revenues, Consumer/Producer surplus

SOFTWARE SKILLS

Microsoft Excel (Power Pivot/Query, macros), SAS, Python, R/R Studio (Tidyverse, Tidymodels, RMarkdown, Quarto, Shiny, etc.), Stata, LaTeX, PowerPoint, Word, Access, Structured Query Language (SQL), Github/Git, DaVinci Resolve

RECENT AWARDS:

European Finance Association PhD Travel Grant
1st Class of PhD Travel Grant Recipients, 49th Annual European Finance Association Meeting
Excellence in Teaching in the University at Buffalo School of Management Award
Top Award for PhD level Instruction at the University at Buffalo – PhD showcase winner

INDUSTRY EXPERIENCE

M&T Bank – Commercial Equipment Finance Division
Business and Planning Analyst II 2017
Commercial Equipment Leasing Program, Model Automations, Delinquency Tracking
Management Trainee (MDP – Management Development Program) 2015 – 2017
Rotational program through all M&T departments incl. Baltimore/Wilmington, Credit Scorecard Project per Fed