Mengteng Wang

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Mengteng (Mount) Wang | Coventry, CV4 7AL, United Kingdom

Education

- **University of Warwick, Warwick Business School (WBS)** — *09/2024 - Now*
  PhD in Finance and Economics — Coventry, UK
- **University of Wisconsin-Madison (UW-Madison)** — *09/2022 - 05/2024*
  Master of Science in Economics — Madison, WI, US
- **Zhejiang University (ZJU)** — *09/2018 - 07/2022*
  Bachelor of Economics Science in Finance — Hangzhou, China

Research

- **Equity Premium Prediction with Shrinkage Estimation Guided by Economic Theory** — *06/2023 - Now*
  with: Xiaobin Liu, Yanchu Liu and Tao Zeng
  - **Abstract:** We demonstrate that economic linkages between predictors and the real economy, combined with theory-implied parameter restrictions, substantially enhance out-of-sample equity premium forecasting performance. We introduce a novel empirical Bayes (EB) framework that captures these economic relationships while accommodating theoretical constraints on predictor coefficients. Our EB methodology optimally shrinks coefficient estimates toward intermediate values between unrestricted OLS estimates and theory-implied restricted estimates. Empirical applications reveal improved forecasting performance across numerous established predictors.
  - **Keywords:** Empirical Bayes, Shrinkage estimator, Equity premium prediction

Experience

- **Hithink RoyalFlush Information Network Co.,Ltd.** — *07/2024 – 09/2024*
  Macro-Finance Research Analyst Internship — Hangzhou, China
  - Chinese 10-Year Government Bond Yield Forecast Model
  - LLM-based Gold Price Forecasting Agent
- **University of Illinois Urbana-Champaign** — *05/2023 - 03/2024*
  Part-time Research Assistant for Prof. Qiping Xu — Remote
  - Performed fuzzy matching of company names across two large datasets from 2007 to 2020.
  - Innovated a new data structure to integrate congressional district data using zip codes, addressing challenges such as shifting postal codes and mixed data formats.
- **University of Wisconsin-Madison** — *01/2023 - 12/2023*
  Research Assistant for Prof. Rasmus Lentz — Madison, WI, US
  - Optimized computing algorithm for a large Italian labor dataset, comprising 40 million observations.
- **Zhejiang Longwin Asset Management Co.,Ltd.** — *01/2022 – 05/2022*
  Quantitative Researcher Internship — Hangzhou, China
  - Industry classification enhancement using Gerber statistics and clustering.
- **Zheshang Fund Management Co.,Ltd.** — *07/2021 - 09/2021*
  Credit Ranking Researcher Internship — Shanghai, China
  - Developed a framework to graph bond yield curves using Python.
  - Built a predictive system for credit ratings based on XGBoost.

Skills

- **Programming Languages:** Python(skilled); MATLAB (skilled); Stata(skilled); Julia(skilled); R(skilled)
- **Volunteer:** More than 300 hours service, e.g. volunteer work in European Art Museum in Hangzhou
- **Machine Learning and LLM Framework:** XGBoost, LSTM, Clustering, Bandit, LangChain, etc.