

Mengteng Wang

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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

- **Predicting Equity Premium with Shrinkage Estimation Guided by Economic Theory** 06/2023 - Now
with: Prof. Xiaobin Liu
 - We propose an empirical Bayes (EB) framework that enhances equity premium forecasting by integrating economic theory-implied constraints and data-driven shrinkage. Our method optimally balances unrestricted OLS estimates with theory-imposed restrictions, improving predictive accuracy across established predictors, with the out-of-sample R^2 of the combined predictor reaching up to 15.85%. This study highlights the importance of economic structure in time-series predictability.
 - **Keywords:** Economic theory, Empirical Bayes, Macroeconomic predictors, Aggregate market excessive return

EXPERIENCE

- **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.
- **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
- **Zhejiang Longwin Investment 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.