

Ying Han

DATA SCIENTIST

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PROFILE

Data is something I feel really comfortable with. I collect, clean, transform, and simulate data, sometimes running simple analysis on data, and at times building more complicated statistical models. I love learning new theories, methods, and tricks about data and using my knowledge to discover hidden patterns to extract valuable insights from them. Transitioning from academia to data science, I am looking forward to opportunities that can satisfy my intellectual curiosity and fulfillment, where I can contribute to the solutions of practical problems using my strong statistical background and data science techniques.

SKILLS

Python, R, SQL, SAS, Mplus, Tableau, AWS, Machine Learning, Statistical Modelling, Experimental Design, Survey Research, Psychometrics

EXPERIENCE

Research Fellow | Judgement and Decision Making Lab, Fordham University

AUG 2017 - OCT 2022, NEW YORK, NY

- Conducted research in probabilistic forecasting using large-scale time-series macroeconomic forecasting data of the European Central Bank, developed a new calibration method of probability forecasts and a new transformation scheme for forecasting data.
- Published 2 first-authored and 6 co-authored journal articles and one co-authored book chapter.

Statistical Consultant | Fordham University

AUG 2016 - OCT 2021, NEW YORK, NY

- Provided guidance in designing experiments, data collection, statistical analysis in the collaborations with researchers of diverse research domains.
- Trained researchers in conducting advanced statistical analysis such as PCA and meta analysis in R.

Research Analyst | Institutional Research Office, Fordham University

MAR 2014 - MAY 2016, NEW YORK, NY

- As one of the key contributors, developed an assessment tool of the university's mission from scratch, conducted psychometric assessment on the survey, analyzed the collected data and co-authored the official report.
- Conducted analysis on large-scale nationwide educational survey data and co-authored annual institutional reports.

EDUCATION

BrainStation | Diploma, Data Science

JUNE 2023 - SEPT 2023, NEW YORK, NY

Fordham University | Ph.D. in Psychometrics and Quantitative Psychology

AUG 2016 - MAY 2023, NEW YORK, NY

- President, Fordham Council of Applied Psychometrics
- Recipient of Anna Anastasi Fellowship and Psychometric Fellowship

PROJECTS

Beyond Five-Star Rating: Calibrating Bias and Usefulness of Yelp Reviews

SEPT 2023, BrainStation

- Developed new metrics to calibrate positive and negative bias in Yelp ratings and usefulness of Yelp text reviews.