

ROHIT ALLENA

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EMPLOYMENT

C.T. Bauer College of Business, University of Houston
Assistant Professor of Finance

September, 2021-
Houston, Texas, USA

EDUCATION

Goizueta Business School, Emory University
PhD in Finance

2015-2021
Atlanta, GA, USA

Dissertation: Three essays on estimation uncertainty. **Committee:** Jay Shanken (chair), Tarun Chordia (co-chair), Jegadeesh Narasimhan, William Mann, and Donald Lee.

Indian Statistical Institute
Master in Statistics

2012-2014
Kolkata, India

– Recipient of Dr. N.S. Iyenger award for best student of Econometrics, 2014.

Indian Statistical Institute
Bachelor in Statistics (Honors)

2009-2012
Kolkata, India

RESEARCH INTERESTS

Asset Pricing, Market Microstructure, Econometrics of Machine Learning, Bayesian Econometrics

WORKING PAPERS

1. Confident Risk Premiums and Investments using Machine Learning Uncertainties (2021)

Contribution: This paper derives ex-ante standard errors of risk premium predictions from Neural Networks. Based on the precision of risk premium forecasts, I provide improved investment strategies.

Presented at-

Boston College, Boston University, Copenhagen, HEC Paris, HKUST, Indian School of Business, National University of Singapore, Rice University, Tulane University, Universities of Florida, Georgia, Houston, Yale University, NFA (2021), FMA (2021), King's College London (2021), HPE Data Science Institute (2022, scheduled).

2. Comparing Asset Pricing Models with Non-Traded Factors and Principal Components (2020)

Won Cubist Systematic Strategies Award for Outstanding Research at the WFA 2020.

Presented at -

WFA (2020), EFA (2019), The University of Chicago, Machine Learning and New Empirical Asset Pricing (2018), NFA (2018), SoFiE (2018), ESEM (2018)

Contribution: This paper develops a Bayesian methodology to compare asset pricing models containing non-traded factors and principal components. I derive novel, non-informative priors that deliver invariant inferences. The paper includes the following notes on priors for comparing asset pricing models.

2a. Notes on Priors for Comparing Asset Pricing Models

This article provides an extensive discussion on what priors to use, when, and why, to compare asset pricing models in general.

3. True Liquidity and Fundamental Prices: US Tick Size Pilot (2021)
working paper (joint with Tarun Chordia, Emory University)

Contribution: This paper develops a novel methodology to extract true liquidity and fundamental prices, explicitly accounting for the rounding specification induced by the minimum tick size. The paper provides policy implications of the recently conducted US Tick Size Pilot program.

Presented at

ASSA Annual Meeting (2022), University of Houston

4. Out-of-sample comparisons of dynamic trading strategies (2021)
working paper (joint with Cesare Robotti, University of Warwick, UK)

5. On Bayesian Model Comparisons (2021)
working paper (joint with Jay Shanken, Emory University)

AWARDS AND HONORS

- [Cubist Systematic Strategies Award for Outstanding Research, WFA Meetings, 2020](#)
- Scholarship from the Society for Financial Econometrics, 2018
- Dr. N.S. Iyenger award for best student of Econometrics, Indian Statistical Institute (ISI), 2014.
- One of the 30 students all over India to get admitted into the B.Stat (Hons) program of ISI, 2009.
- One of the 50 students all over India to receive the [KVPY](#) fellowship, India, 2009.
- Recipient of INSPIRE fellowship, Department of Science and Technology, India, 2009.

INVITED SEMINARS

(listed only own presentations)

- Boston College (2021)
- Boston University (2021)
- Copenhagen Business School (2021)
- Georgia State University (2021)
- HEC Paris (2021)
- HPE Data Science Institute (2022, scheduled)
- HKUST (2021)
- Indian School of Business (2021)
- National University of Singapore (2020)
- Rice University (2021)
- Tulane University (2021)
- University of Florida (2021)
- University of Georgia (2021)
- University of Houston (2021)
- Yale University (2021)

CONFERENCE PRESENTATIONS

(listed only own presentations)

- ASSA (2022, scheduled)
- WFA (2020)
- EFA (2019)
- NFA (2018, 2021)
- FMA (2021)
- The University of Chicago, Machine Learning and New Empirical Asset Pricing (2018)
- European Econometric Society Annual Meetings (2018)
- SoFiE Annual Conference (2018)
- Computational and Financial Econometrics, King's College, London (2021)

CONFERENCE DISCUSSIONS

- Yale University and SoFiE Machine Learning Conference (2021)
- CIRF (2021)
- EFA (2019)
- FMA (2019, 2021)
- MFA (2022, scheduled)

REFEREE FOR

- Journal of Econometrics, Management Science, and Service Science

TEACHING

Corporate Finance, Fina 4330, C.T. Bauer College of Business, University of Houston 2022

Scheduled to teach three sections of corporate finance at the undergraduate level in the Spring of 2022

Managerial Finance, Fin 520, Goizueta Business School, Emory University 2019

Taught review sessions to Evening MBAs, review sessions' rating 4.33/5

PREVIOUS EMPLOYMENT

ICICI Bank, BKC Towers 2014-2015

Manager, Basel Risk Team, Credit Risk Management Mumbai, India

Responsible for statistical modeling of the bank's credit risk in accordance with the Basel framework.

PROGRAMMING SKILLS

Proficient in Matlab, Python, SAS, and R

REFERENCES

Jay Shanken (Committee Chair) [Goizueta Chair in Finance, Emory University](#)

e-mail: jay.shanken@emory.edu

Tarun Chordia (Committee Co-Chair) [R. Howard Dobbs Professor of Finance, Emory University](#)

e-mail: tarun.chordia@emory.edu

William Mann

e-mail: william.giles.mann@emory.edu

Assistant Professor of Finance, Emory University