Yasin Simsek

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Education

Duke University, Durham - US Sept 2020 - May 2026 (expected) PhD in Economics Fields: Econometrics, Asset Pricing and Machine Learning • Committee: Andrew J. Patton (chair), Tim Bollerslev, Anna Cieslak, Anna Bykhovskaya. Koc University, Istanbul - Turkey MA in Economics Bilkent University, Ankara - Turkey **BA** in Economics **Working Papers** • Beyond Returns: A Candlestick-Based Approach to Covariance Estimation

- Intraday Variation in Systematic Risks and Information Flows (joint with Andrew J. Patton)
- Generalized Autoregressive Trees and Forests (R&R Journal of Business & Economic Statistics, joint with Andrew J. Patton)

Publications

• Bridging the Covid-19 data and the epidemiological model using the time-varying parameter SIRD model (ioint with Cem Cakmakli)

Professional Activities

Referee Service:

- Journal of Econometrics ×1
- The European Journal of Finance $\times 1$

Presentations

2024: Duke University, VTSS Workshop for Junior Researchers in Time Series, 2024 IAAE Annual Meeting, SoFiE Summer School (Kellogg)

2023: Duke University, Triangle Econometrics Conference (UNC Chapel Hill), 2023 IAAE Annual Meeting

Teaching Experience

Investments and Financial Markets (Teaching Assistant - 2023, 2024): Taught by Tim Bollerslev covering basic results on portfolio optimization and asset pricing. Lectures included theory and computational exercises.

Time Series Econometrics (Teaching Assistant - 2023, 2024): Taught by Anna Bykhovskaya covering fundamental concepts in time series and economic forecasting. Lectures included theory and computational exercises.

Math Camp for Economics PhD (Instructor - 2023, 2024): Covering essential topics in real analysis, measure theory, linear algebra and optimization for incoming PhD students.

Sept 2018 - May 2021

Sept 2013 - May 2018

Journal of Econometrics, 2024

Other Information

Programming: Python, R, Matlab, LaTeX **Languages:** Turkish (native), English (fluent)

References

Andrew J. Patton Department of Economics Duke University andrew.patton@duke.edu

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