**2020 Summer School**
**at the University of Chicago**
**The Econometrics of Mixed Frequency (Big) Data**

Stevanovich Center for Financial Mathematics
at the University Of Chicago

# Schedule

**Indicated times are EST (Eastern Time Zone)**

### Monday, July 20, 2020

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|---|---|---|
| 9:00 - 10:00am | Zoom Check in | |
| 10:00 - 11:15am | Lecture 1: Eric Ghysels | Introduction to MIDAS Regressions |
| 11:15 - 11:30am | Break | |
| 11:30 - 12:45pm | Lecture 2: Eric Ghysels | State Space Models and MIDAS Regressions |
| 12:45 - 1:45pm | Break | |
| 1:45 - 2:30pm | Paper 1: Andres Algaba, University of Brussels and University of Ghent | Monitoring Consumer Confidence: A Real-time Approach Using Media News Articles |
| 2:30 - 3:00pm | Q & A Eric Ghysels | |

### Tuesday, July 21, 2020

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|---|---|---|
| 10:00 - 11:15am | Lecture 3: Eric Ghysels | Nowcasting with MIDAS |
| 11:15 - 11:30am | Break | |
| 11:30 - 12:45pm | Lecture 4: Eric Ghysels | Multivariate Mixed Frequency Data Models |
| 12:45 - 1:45pm | Break | |
| 1:45 - 2:30pm | Paper 2: Alexander Kostrov, University of St. Gallen | Estimating MIDAS Regressions via MIDAS-NLS with Revised Optimization |
| 2:30 - 2:45pm | Break | |
| 2:45 - 3:30pm | Paper 3: Tengfei Zhang, Louisiana State University | Firm-Level Uncertainty, Textual-Based Measure and Asset Pricing Implications |
| 3:30 - 4:00pm | Q & A Eric Ghysels | |

### Wednesday, July 22, 2020

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|---|---|---|
| 10:00 - 11:15am | Lecture 5: Eric Ghysels | Principal Components and Quantile Regressions |
| 11:15 - 12:15pm | Break | |
| 12:15 - 1:15pm | Practical Exercises 1: Jonas Striaukas | |
| 1:15 - 1:45pm | Break | |
| 1:45 - 2:45pm | Practical Exercises 2: Jonas Striaukas | |
| 2:45 - 3:15pm | Q & A Eric Ghysels | |

### Thursday, July 23, 2020

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|---|---|---|
| 10:00 - 11:15am | Lecture 6: Andrii Babii | Economic Forecasting and Empirical Risk Minimization |
| 11:15 - 11:30am | Break | |
| 11:30 - 12:45pm | Lecture 7: Andrii Babii | Regularization and High-dimensional Mixed Frequency Data |
| 12:45 - 1:45pm | Break | |
| 1:45 - 2:30pm | Paper 4: Thomas Walther, Utrecht University | Oil Price Changes and U.S. Real GDP Growth: Is this Time Different? |
| 2:30 - 2:45pm | Break | |
| 2:45 - 3:30pm | Paper 5: Fred Liu, University of Western Ontario | Is the Tail Wagging the Dog? What Idiosyncratic Tail Risk Implies about Institutional Investors and Asset Prices |
| 3:30 - 4:00pm | Q & A Andrii Babii | |

### Friday, July 24, 2020

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|---|---|---|
| 10:00 - 11:15am | Lecture 8: Andrii Babii | Economic Forecasting of Binary Data, Deep Learning, and Boosting |
| 11:15 - 11:30am | Break | |
| 11:30 - 12:00pm | Q & A and Concluding remarks<br>Eric Ghysels and Andrii Babii | |