# Conference on Synthetic Controls and Related Methods

**May 20-21, 2019**

**IDSS, MIT E18-304**  
50 Ames St, Cambridge, MA 02142  

**Organizers:**  
Alberto Abadie, Victor Chernozhukov and Guido Imbens

## May 20

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 9:00am – 11:00pm | Pre-conference tutorial on synthetic controls and related methods  
Alberto Abadie, MIT  
Guido Imbens, Stanford |
| 11am – 11:15am  | Coffee break                                                                                   |
| 11:15am – 12:00pm | Synthetic Difference in Differences  
Guido Imbens, Stanford (joint with D. Arkhangelsky, S. Athey, D. Hirshberg, and S. Wager) |
| 12:00pm – 1:30pm | Lunch                                                                                           |
| 1:30pm – 2:15pm | An Exact and Robust Conformal Inference Method for Counterfactual and Synthetic Controls  
Kaspar Wüthrich, UCSD (joint with V. Chernozhukov and Y. Zhu) |
| 2:15pm – 3:00pm | Synthetic Controls with Imperfect Pre-Treatment Fit  
Bruno Ferman (joint with C. Pinto) |
| 3:00pm – 3:45pm | Statistical Inference for Average Treatment Effects Estimated by Synthetic Control Methods  
Kathleen Li, University of Texas |
| 3:00pm – 3:30pm | Coffee break                                                                                   |
| 3:30pm – 4:15pm | A Penalized Synthetic Control Estimator for Disaggregated Data  
Jérémy L’Hour, CREST (joint with A. Abadie) |
| 4:15pm – 5:00pm | Robust Synthetic Control  
Devavrat Shah, MIT (joint with J. Amjad and D. Shen) |
<p>| 6:00pm –       | Conference dinner (by invitation)                                                              |</p>
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<tr>
<td>7:30am – 8:00am</td>
<td>Continental Breakfast</td>
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<tr>
<td>8:00am – 8:45am</td>
<td>Large Dimensional Factor Analysis with Missing Data&lt;br&gt;Serena Ng, Columbia University (joint with J. Bai)</td>
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<tr>
<td>8:45am – 9:30am</td>
<td>The Augmented Synthetic Control Method&lt;br&gt;Avi Feller, Berkeley (joint with E. Ben-Michael and J. Rothstein)</td>
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<td>9:30am – 10:15am</td>
<td>Inference on Average Treatment Effects in Aggregate Panel Data Settings&lt;br&gt;Yinchu Zhu, Oregon (joint with V. Chernozhukov and K. Wüthrich)</td>
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<td>10:15am – 10:45am</td>
<td>Coffee break</td>
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<tr>
<td>10:45am – 11:30am</td>
<td>Unit Selection in Synthetic-Control Methods&lt;br&gt;Nikolay Doudchenko, Facebook (joint with N. Wernerfelt)</td>
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<tr>
<td>11:30am – 12:15pm</td>
<td>Right-to-Carry Laws and Violent Crime: A Comprehensive Assessment Using Panel Data and a State-Level Synthetic Controls Analysis&lt;br&gt;John J. Donohue, Stanford University (joint with A. Aneja and K. Weber)</td>
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<tr>
<td>12:15pm – 1:45pm</td>
<td>Lunch and adjourn</td>
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**Sponsors**

- National Bureau of Economic Research
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<th>Attendee</th>
<th>Affiliation</th>
<th>Email</th>
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<tr>
<td>Abadie, Alberto</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:abadie@mit.edu">abadie@mit.edu</a></td>
</tr>
<tr>
<td>Angrist, Josh</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:angrist@mit.edu">angrist@mit.edu</a></td>
</tr>
<tr>
<td>Amjad, Jehangir</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:mamjad@mit.edu">mamjad@mit.edu</a></td>
</tr>
<tr>
<td>Aparicio, Diego</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:dapa@mit.edu">dapa@mit.edu</a></td>
</tr>
<tr>
<td>Bertolotti, Paolo</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:paolombertolotti@gmail.com">paolombertolotti@gmail.com</a></td>
</tr>
<tr>
<td>Ben-Michael, Eli</td>
<td>UC Berkeley</td>
<td><a href="mailto:ebenmichael@berkeley.edu">ebenmichael@berkeley.edu</a></td>
</tr>
<tr>
<td>Cattaneo, Matias</td>
<td>University of Michigan</td>
<td><a href="mailto:cattaneo@umich.edu">cattaneo@umich.edu</a></td>
</tr>
<tr>
<td>Chernozhukov, Victor</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:vchern@mit.edu">vchern@mit.edu</a></td>
</tr>
<tr>
<td>Cytrynbaum, Max</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:mcytrynbaum@mit.edu">mcytrynbaum@mit.edu</a></td>
</tr>
<tr>
<td>Deshpande, Yash</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:yash@mit.edu">yash@mit.edu</a></td>
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<tr>
<td>Donohue, John</td>
<td>Stanford University</td>
<td><a href="mailto:donohue@law.stanford.edu">donohue@law.stanford.edu</a></td>
</tr>
<tr>
<td>Doudchenko, Nikolay</td>
<td>Facebook</td>
<td><a href="mailto:nikolay.doudchenko@gmail.com">nikolay.doudchenko@gmail.com</a></td>
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<tr>
<td>Felix, Mayara</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:mfelix@mit.edu">mfelix@mit.edu</a></td>
</tr>
<tr>
<td>Feller, Avi</td>
<td>UC Berkeley</td>
<td><a href="mailto:afeller@berkeley.edu">afeller@berkeley.edu</a></td>
</tr>
<tr>
<td>Ferman, Bruno</td>
<td>FGV</td>
<td><a href="mailto:bruno.ferman@fgv.br">bruno.ferman@fgv.br</a></td>
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<tr>
<td>Huang, Jason</td>
<td>Uber</td>
<td><a href="mailto:jason.huang@uber.com">jason.huang@uber.com</a></td>
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<tr>
<td>Hughes, David</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:dwhughes@mit.edu">dwhughes@mit.edu</a></td>
</tr>
<tr>
<td>Imbens, Guido</td>
<td>Stanford University</td>
<td><a href="mailto:imbens@stanford.edu">imbens@stanford.edu</a></td>
</tr>
<tr>
<td>Ichimura, Hidehiko</td>
<td>University of Arizona</td>
<td><a href="mailto:ichimura@email.arizona.edu">ichimura@email.arizona.edu</a></td>
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<tr>
<td>Katzwer, Moshe</td>
<td>Uber</td>
<td><a href="mailto:mkatzwer@uber.com">mkatzwer@uber.com</a></td>
</tr>
<tr>
<td>L’Hour, Jérémy</td>
<td>CREST</td>
<td>Jeremy.L’<a href="mailto:HOUR@ensae-paristech.fr">HOUR@ensae-paristech.fr</a></td>
</tr>
<tr>
<td>Li, Kathleen</td>
<td>University of Texas</td>
<td><a href="mailto:Kathleen.Li@mccombs.utexas.edu">Kathleen.Li@mccombs.utexas.edu</a></td>
</tr>
<tr>
<td>Lok, Judith</td>
<td>Boston University</td>
<td><a href="mailto:jilok@bu.edu">jilok@bu.edu</a></td>
</tr>
<tr>
<td>Mikusheva, Anna</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:amikushe@mit.edu">amikushe@mit.edu</a></td>
</tr>
<tr>
<td>Misra, Vishal</td>
<td>Columbia University</td>
<td><a href="mailto:vishal.misra@columbia.edu">vishal.misra@columbia.edu</a></td>
</tr>
<tr>
<td>Newey, Whitney</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:wnewey@mit.edu">wnewey@mit.edu</a></td>
</tr>
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<td>Ng, Serena</td>
<td>Columbia University</td>
<td><a href="mailto:serena.ng@columbia.edu">serena.ng@columbia.edu</a></td>
</tr>
<tr>
<td>Petri, Mikel</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:mpetri@mit.edu">mpetri@mit.edu</a></td>
</tr>
<tr>
<td>Reuter, Johanna</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:jreuter@mit.edu">jreuter@mit.edu</a></td>
</tr>
<tr>
<td>Ridley, Matthew</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:mridley@mit.edu">mridley@mit.edu</a></td>
</tr>
<tr>
<td>Rokkanen, Miikka</td>
<td>Amazon</td>
<td><a href="mailto:miikka@amazon.com">miikka@amazon.com</a></td>
</tr>
<tr>
<td>Sarkar, Sourav</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:souravs@mit.edu">souravs@mit.edu</a></td>
</tr>
<tr>
<td>Shah, Devavrat</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:devavrat@mit.edu">devavrat@mit.edu</a></td>
</tr>
<tr>
<td>Shen, Dennis</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:deshen@mit.edu">deshen@mit.edu</a></td>
</tr>
<tr>
<td>Sun, Liyang (Sophie)</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:lsun20@mit.edu">lsun20@mit.edu</a></td>
</tr>
<tr>
<td>Tamer, Elie</td>
<td>Harvard University</td>
<td><a href="mailto:elietamer@fas.harvard.edu">elietamer@fas.harvard.edu</a></td>
</tr>
<tr>
<td>Tukhuri, Joonas</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:tuhkuri@mit.edu">tuhkuri@mit.edu</a></td>
</tr>
<tr>
<td>Vijaykumar, Suhas</td>
<td>Massachusetts Institute of Technology</td>
<td><a href="mailto:suhas.vk@gmail.com">suhas.vk@gmail.com</a></td>
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<td>Facebook</td>
<td><a href="mailto:nils@fb.com">nils@fb.com</a></td>
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• Follow signs for “Synthetic Controls and Related Methods”