

# Miheer Dewaskar

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*GitHub:* [github.com/miheerdew](https://github.com/miheerdew)

**Education** **The University of North Carolina** (expected) **June 2021**  
*Chapel Hill, North Carolina; United States.*  
**Ph.D.** Statistics and Operations research  
Advisors: [Shankar Bhamidi](#), [Amarjit Budhiraja](#), [Andrew B. Nobel](#)

**Chennai Mathematical Institute** **June 2016**  
*Chennai, India.*  
**M.S.** Computer Science  
Advisor: [B Srivathsan](#)

**Chennai Mathematical Institute** **June 2014**  
*Chennai, India.*  
**B.S. (Hons)** Mathematics and Computer Science

## Research Interests

- Theoretical aspects of statistics and data science.
- Queuing theory and Stochastic Processes.
- Interacting particle systems.

## Softwares

- 1 Developed R/C++ package [CBCE](#): parallel framework for iterative testing in multi-view data.

## Papers

### Published

- 1 Bertrand N, **Dewaskar M**, Genest B, Gimbert H, and Godbole A. “Controlling a population.” (2019) *Logical Methods in Computer Science*, Vol. 15, Issue 3.
- 2 Bertrand N, **Dewaskar M**, Genest B, Gimbert H “Controlling a population.” (2017) *28th International Conference on Concurrency Theory (CONCUR 2017)*.

### Under Review

- 1 **Dewaskar M**, Palowitch J, He M, Love MI, Nobel AB. “Finding Stable Groups of Cross-Correlated Features in Multi-View data.” *Submitted to the Annals of Applied Statistics*.
- 2 Bhamidi S, Budhiraja A, and **Dewaskar M**. “Near Equilibrium Fluctuations for Supermarket Models with Growing Choices.” *Submitted to the Annals of Applied Probability*.

<b>Teaching Experience</b>	<b>Introduction to Statistics</b> <i>University of North Carolina at Chapel Hill.</i> <ul style="list-style-type: none"> <li>◦ Role: primary instructor for a class of 45 students.</li> <li>◦ Designed course materials and held lectures.</li> </ul>	<b>Fall 2019</b>				
<b>Honors and Awards</b>	<b>Cambanis-Hoeffding-Nicholson award</b> , <i>STOR department, UNC Chapel Hill.</i>	<b>2017</b>				
	<b>Medal of Excellence</b> , <i>Chennai Mathematical Institute.</i>	<b>2016</b>				
	<b>Charpak Scholarship</b> , <i>Embassy of France in India.</i>	<b>2015</b>				
	<b>INSPIRE Scholarship</b> , <i>Department of Science and Technology, India.</i>	<b>2011</b>				
<b>Talks</b>	<ol style="list-style-type: none"> <li>1 “Near Equilibrium fluctuations for Supermarket models with growing choices,” Bernoulli-IMS One World Symposium 2020 (online), August 2020. <b>(contributed)</b></li> <li>2 “Asymptotic analysis of the power of choice phenomenon for queuing models,” UNC-Duke Probability Seminar (Chapel Hill, NC), January 2020. <b>(seminar)</b></li> <li>3 “Detecting Bimodules in eQTL data : finding mutually correlated sets across two data types,” UNC Computational Medicine meeting (Chapel Hill, NC), April 2019. <b>(seminar)</b></li> <li>4 “Controlling a population of Markov Decision Processes,” IRISA team SUMO seminar (Trégastel, France), June 2015. <b>(seminar)</b></li> </ol>					
<b>Professional Experience</b>	<b>Research Internship at INRIA</b> <i>Rennes, France</i> <ul style="list-style-type: none"> <li>◦ Solved the parameterized population control problem.</li> </ul>	<b>May to July, 2015</b>				
<b>References</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Shankar Bhamidi</b> <i>Professor</i> Statistics and Operations Research The University of North Carolina <i>Email: <a href="mailto:bhamidi@email.unc.edu">bhamidi@email.unc.edu</a></i> <i>Phone: 919-843-2431</i></p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Andrew B. Nobel</b> <i>Paul Ziff Distinguished Professor</i> Statistics and Operations Research University of North Carolina <i>Email: <a href="mailto:nobel@email.unc.edu">nobel@email.unc.edu</a></i> <i>Phone: 919-962-1352</i></p> </td> </tr> <tr> <td style="vertical-align: top;"> <p><b>Amarjit Budhiraja</b> <i>Professor</i> Statistics and Operations Research The University of North Carolina <i>Email: <a href="mailto:budhiraj@email.unc.edu">budhiraj@email.unc.edu</a></i> <i>Phone: 919-962-2189</i></p> </td> <td style="vertical-align: top;"> <p><b>Sayan Banerjee</b> <i>Assistant Professor</i> Statistics and Operations Research University of North Carolina <i>Email: <a href="mailto:sayan@email.unc.edu">sayan@email.unc.edu</a></i> <i>Phone: 919-381-8869</i></p> </td> </tr> </table>	<p><b>Shankar Bhamidi</b> <i>Professor</i> Statistics and Operations Research The University of North Carolina <i>Email: <a href="mailto:bhamidi@email.unc.edu">bhamidi@email.unc.edu</a></i> <i>Phone: 919-843-2431</i></p>	<p><b>Andrew B. Nobel</b> <i>Paul Ziff Distinguished Professor</i> Statistics and Operations Research University of North Carolina <i>Email: <a href="mailto:nobel@email.unc.edu">nobel@email.unc.edu</a></i> <i>Phone: 919-962-1352</i></p>	<p><b>Amarjit Budhiraja</b> <i>Professor</i> Statistics and Operations Research The University of North Carolina <i>Email: <a href="mailto:budhiraj@email.unc.edu">budhiraj@email.unc.edu</a></i> <i>Phone: 919-962-2189</i></p>	<p><b>Sayan Banerjee</b> <i>Assistant Professor</i> Statistics and Operations Research University of North Carolina <i>Email: <a href="mailto:sayan@email.unc.edu">sayan@email.unc.edu</a></i> <i>Phone: 919-381-8869</i></p>	
<p><b>Shankar Bhamidi</b> <i>Professor</i> Statistics and Operations Research The University of North Carolina <i>Email: <a href="mailto:bhamidi@email.unc.edu">bhamidi@email.unc.edu</a></i> <i>Phone: 919-843-2431</i></p>	<p><b>Andrew B. Nobel</b> <i>Paul Ziff Distinguished Professor</i> Statistics and Operations Research University of North Carolina <i>Email: <a href="mailto:nobel@email.unc.edu">nobel@email.unc.edu</a></i> <i>Phone: 919-962-1352</i></p>					
<p><b>Amarjit Budhiraja</b> <i>Professor</i> Statistics and Operations Research The University of North Carolina <i>Email: <a href="mailto:budhiraj@email.unc.edu">budhiraj@email.unc.edu</a></i> <i>Phone: 919-962-2189</i></p>	<p><b>Sayan Banerjee</b> <i>Assistant Professor</i> Statistics and Operations Research University of North Carolina <i>Email: <a href="mailto:sayan@email.unc.edu">sayan@email.unc.edu</a></i> <i>Phone: 919-381-8869</i></p>					
<b>Teaching reference</b>	<b>Robin Cunningham, PhD FSA</b> <i>Teaching Associate Professor</i> Statistics and Operations Research The University of North Carolina <i>Email: <a href="mailto:rjcunnin@email.unc.edu">rjcunnin@email.unc.edu</a></i> <i>Phone: 984-528-0687</i>					

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