

## **Aditya Balaram**

Department of Management Science, Darla Moore School of Business, University of South Carolina, 1014 Greene Street, Columbia, SC 29208  
919-491-1406 | [aditya.balaram@grad.moore.sc.edu](mailto:aditya.balaram@grad.moore.sc.edu)

### **Education**

- PhD**, Business Administration (Management Science emphasis) Jan 2018 – present
- Darla Moore School of Business, University of South Carolina, USA
- MSc**, Statistics & Operations Research May 2017
- University of North Carolina at Chapel Hill, USA
  - *Master's thesis*: A survey of randomized algorithms for matrix multiplication and low-rank matrix approximation
- MSc**, Applicable Mathematics September 2015
- London School of Economics and Political Science, UK
  - *Master's thesis*: Cyclic polytopes represented with small integers
- BSc**, Economics, Mathematics, Statistics May 2014
- St. Joseph's College, Bangalore, India

### **Research**

#### **Papers in the review process**

- A. Balaram, O. Perdikaki, M. Galbreth. "Bracketing of Purchases to Manage Size Uncertainty: Should Online Retailers be Worried?". Under review at *Production and Operations Management*.

#### **Work in progress**

- A. Balaram, M. Ferguson, O. Perdikaki. "A Comparison of The Fast-Fashion and Traditional Approaches to Apparel Retail: Profits and Environmental Impact"

### **Presentations**

- "Bracketing of Purchases to Manage Size Uncertainty: Should Online Retailers be Worried?", Aditya Balaram, Olga Perdikaki, Michael Galbreth, INFORMS Annual Meeting, Seattle, October 2019.
- "Is Bracketing a Bane or a Boon for Online Retailers?", Aditya Balaram, Olga Perdikaki, Michael Galbreth, POMS Annual Conference, Washington DC, May 2019.

## Teaching experience

**Instructor** Fall 2020  
*Applied Statistics for Business (at UofSC)*  
• Held lectures, assigned homework, set and graded exams for a class of 36 students.

**Instructor** Spring 2017  
*Decision Models for Economics & Business (at UNC Chapel Hill)*  
• Held lectures, assigned homework, set and graded exams for a class of 45 students.

*Introduction to Data Models & Inference (at UNC Chapel Hill)* Fall 2017  
• Held lectures, assigned homework, set and graded exams for a class of 43 students.

**Teaching Assistant**  
*Decision Models for Economics & Business (at UNC Chapel Hill)* Fall 2015 & Fall 2016  
• Held recitation classes for 4 sections of the course  
*Statistical Methods II (Time Series) (at UNC Chapel Hill)* Spring 2016  
• Prepared solutions and held office hours  
*Introduction to Data Models & Inference (at UNC Chapel Hill)* Summer 2016 & Summer 2017  
• Held recitation classes for 4 sections of the course

## Awards and Honors

- Selected to attend the Purdue University Doctoral Consortium in Supply Chain and Operations Management 2020
- Darla Moore School of Business PhD Program Scholarship 2018-present
- Selected to attend the 4<sup>th</sup> Heidelberg Laureate Forum 2016
- Summer Research Fellow at the Indian Institute of Science (sponsored by the Indian Academy of Sciences) 2013

## Relevant Coursework

Experimental Research Methods, Revenue Management (MBA), Sustainable Operations, Econometrics I, Marketing Strategy, Econometrics II, Computational Methods for Economists, Applied Game Theory (*University of South Carolina – all PhD level courses unless otherwise mentioned*)

Deterministic Models in Operations Research, Stochastic Modeling I & II, Theoretical Statistics, Applied Statistics, Linear Programming, Discrete Event Simulation, Stochastic Modeling in Healthcare, Selected Topics in Modern Convex Optimization, Markov Decision Processes, Convex Analysis and Optimization (*UNC Chapel Hill – all PhD level courses*)

Game Theory, Measure and Probability, Mathematical Programming, Combinatorial Optimisation, Algorithms, Advanced Algorithms (*London School of Economics – all MSc level courses*)

### **Skills**

**Programming:** Java, Python, R, MATLAB, Mathematica