

## Joseph Carlstein

The Wharton School of the University of Pennsylvania  
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### Education

#### The Wharton School of the University of Pennsylvania

**Ph.D.:** Operations, Information, and Decisions

**2018 - present**

**Program Track:** Operations Management

**Advisors:** Gad Allon, Yonatan Gur

#### Princeton University

**B.S.E.:** Operations Research and Financial Engineering (ORFE)

**2014 - 2018**

**Certificates:** Statistics & Machine Learning, Computer Science, Finance

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### Research Interests

Platforms, Recommender Systems, Online Marketplaces, Revenue Management

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### Working Papers

Allon, G., Carlstein, J., Gur, Y. (2022). *Leveraging Consensus Effect to Optimize Ranking in Online Discussion Boards*. [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4215596](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4215596)

- Under review, submitted to M&SOM Practice-Based Research Competition

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### Works in Progress

Allon, G., Carlstein, J., Gur, Y. (2022). *Core-Periphery Effect and Impact on Participant Behavior on Educational Discussion Platforms*.

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### Conference Presentations

- *Leveraging Consensus Effect to Optimize Ranking in Online Discussion Boards*
  - **MSOM Annual Conference:** 2022 (in-person), 2021 (virtual)
  - **INFORMS RMP Conference:** 2022 (virtual)
  - **INFORMS Annual Meeting:** 2021 (in-person), 2020 (virtual)
  - **Wharton-INSEAD Doctoral Consortium:** 2020 (virtual)

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### Teaching

#### OIDD Department, The Wharton School

**2020 - present**

Graduate Teaching Assistant:

**OIDD 353/653** (Mathematical Modeling and Applications in Finance, with Gerry Tsoukalas - Spring 2020, Spring 2021)

- Led bi-weekly office hours for both undergraduates and MBAs, responded to questions outside of office hours, assisted with virtual learning difficulties, grade homework.

**OIDD 101** (An Introduction to Operations, Information, and Decisions, with Gerard Cachon and Ken Moon - Fall 2021)

- Managed team of undergraduate TAs, assisted with writing homework, graded homework and exams, responded to student emails.

**Mathematics Department, Princeton University****2015 - 2018**

Undergraduate Teaching Assistant:

**MAT 103** (Calculus - Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018)

- Led bi-weekly review or precept sessions, graded weekly homework.

**Computer Science Department, Princeton University****2017 - 2018**

Lab Teaching Assistant, Grader:

**COS 340** (Reasoning about Computation - Fall 2017)

- Held bi-weekly office hours, helped students with formal proofs, graded homework.

**McGraw Center for Teaching and Learning, Princeton University****2016 - 2018**

Course Tutor:

**MAT 201** (Multivariable Calculus), **MAT 202** (Linear Algebra), **PHY 103/104** (Physics I/II)

- Tutored struggling students one-on-one, presented weekly course material to individuals and small groups.

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**Service****Wharton-INSEAD Doctoral Consortium****2021 - 2022****Director of Organizing Committee**

- Led a committee of 7 PhD students from Wharton and both INSEAD campuses to organize the 10th annual doctoral consortium (38 presenters total) - held in April 2022 in Fontainebleau, France.
- Managed a budget of \$60,000, wrote conference application, selected conference participants, set conference schedule of 12 presentation sessions and 4 faculty-student panels over the course of 2 days.

**Penn College Houses and Academic Services****2019 - present****Resident Advisor**

- Live on campus in undergrad dormitory, serve as mentor and advisor for more than 40 freshmen per year.

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**Grants and Awards****Wharton Doctoral Fellowship**, The Wharton School, 2018-present**Mack Institute for Innovation Management**, The Wharton School, 2022-present**Eric F.S. Pai '83 Summer Research Grant**, Princeton University, 2017

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**Technical Skills**

Microsoft Office, R, MATLAB, Python, Java

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**Test Scores****GRE:** 170 Quantitative, 163 Verbal, 5.5 Analytical Writing