Joseph Carlstein

The Wharton School of the University of Pennsylvania
3730 Walnut St., 533.2 Jon M. Huntsman Hall, Philadelphia, PA, USA 19104
Email: jc95@wharton.upenn.edu, **Phone**: (919)-260-5056
Website: https://jcarlstein.github.io/jcarlstein/

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

---

Research Interests

Platforms, Recommender Systems, Online Marketplaces, Revenue Management

---

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

---

Works in Progress

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

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)

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.

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.

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

Technical Skills

Microsoft Office, R, MATLAB, Python, Java

Test Scores

GRE: 170 Quantitative, 163 Verbal, 5.5 Analytical Writing