

Jacob Feldman
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RESEARCH INTERESTS

My research has focused on product assortment optimization problems under various customer choice models. The objective in assortment optimization problems is to select a set of products to make available to customers so as to maximize the expected revenue. The collection of products available to the retailer can be thought of as physical entities such as electronics or textbooks, or virtual products such as appointment or reservation times.

EDUCATION

Ph.D., Operations Research, expected graduation 2015
Advised by Huseyin Topaloglu
Cornell University, Ithaca, NY

Master of Science, Operations Research
Cornell University, Ithaca, NY

Bachelor of Science, Mathematics
Harvey Mudd College (HMC), Claremont, CA

Honors

Cornell Graduate Fellow
HMC Dean's List Distinction (4 semesters)
Graduated HMC with Distinction and Honors in Mathematics

PAPERS

Jacob Feldman, Nan Lui, Serhan Ziya, Huseyin Topaloglu, *Appointment Scheduling under Patient Preferences and No-Show Behavior*, forthcoming, Operations Research.

Jacob Feldman, Huseyin Topaloglu, *Obtaining Upper Bounds on the Optimal Expected Revenue for Assortment Optimization under the Mixed Multinomial Logit Choice Model*, forthcoming, Productions and Operations Management.

Jacob Feldman, Huseyin Topaloglu, *Assortment Optimization for the Nested Logit Model with Capacity Constraints across the Nests*, submitted, Operations Research.

Jacob Feldman, Huseyin Topaloglu, *Revenue Management under a Markov Chain Choice Model*, submitted, Operations Research.

CONFERENCE TALKS

INFORMS Annual Meeting, San Francisco, California, “Capacity Constraints across Nests in Assortment Optimization under the Nested Logit Model”, November 2014

INFORMS Annual Meeting, San Francisco, California, “Revenue Management under a Markov Chain Choice Model”, November 2014

MSOM Annual Meeting, Seattle, Washington, “Revenue Management under a Markov Chain Choice Model”, June 2014

INFORMS Annual Meeting, Minneapolis, Minnesota, “Obtaining Upper Bounds on the Optimal Expected Revenue for Assortment Optimization under the Mixed Multinomial Logit Choice Model”, October 2013

INFORMS Pricing and Revenue Management, Georgia Tech University, “Obtaining Upper Bounds on the Optimal Expected Revenue for Assortment Optimization under the Mixed Multinomial Logit Choice Model”, June 2013

INFORMS Annual Meeting, Austin, Texas, “Optimizing Restaurant Reservation Scheduling”, November 2010

Pacific Coast Undergraduate Research Conference, Pepperdine University, “Optimizing Restaurant Reservation Scheduling”, March 2010

TEACHING EXPERIENCE

ENGRD 2700 Instructor, School of ORIE, Cornell University, Fall 2014

ORIE 3120 Teaching Assistant, School of ORIE, Cornell University, Spring 2014

SYSN 5200 Teaching Assistant, School of ORIE, Cornell University, Spring 2013

ORIE 3300 Teaching Assistant, School of ORIE, Cornell University, Fall 2012

ORIE 3310 Teaching Assistant, School of ORIE, Cornell University, Spring 2012

ORIE 3300 Teaching Assistant, School of ORIE, Cornell University, Fall 2011

ORIE 3300 Teaching Assistant, School of ORIE, Cornell University, Summer 2011

Academic Excellence Math Tutor, Department of Mathematics, HMC, Fall 2009-Spring 2010

WORK EXPERIENCE

Amazon, Research Scientist Intern, Summer 2014

Consultant, Swoopthat LLC, 2010-2012

EXTRA-CURRICULAR ACTIVITIES

Cornell United Club Soccer, 2011-Present

L.A. Marathon Participant (Finishing Time of 3:45), 2010

NCAA Division III Claremont-Mudd-Scripps Soccer Team, 2006-2010

Mentor for Uncommon Good, 2006-2008

REFERENCES

Professor Huseyin Topaloglu, School of ORIE, Cornell University
E-mail: ht88@cornell.edu

Professor Peter Frazier, School of ORIE, Cornell University
E-mail: pf98@cornell.edu

Professor Leslie Trotter, School of ORIE, Cornell University
E-mail: let3@cornell.edu