Michael L. Hamilton

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Employment

University of Pittsburgh, Pittsburgh, PA — Summer 2019 -
Katz Graduate School of Business
Area: *Business Analytics and Operations*
Assistant Professor

Education

Columbia University, New York, NY — Fall 2014 - Spring 2019
Department of Industrial Engineering and Operations Research
Ph.D. in Operations Research
- Advisor: Adam N. Elmachtoub
- Thesis: *Pricing Tools and Analysis for Emerging e-Commerce Technologies*

Rutgers University, New Brunswick, NJ — Fall 2010 - Spring 2014
B.S. in Mathematics
- Minors in Computer Science and Operations Research

Papers

Chen, N., Elmachtoub, A., Hamilton, M., Lei, X., *The Pricing and Design of Loot Boxes*. Major Revision at **Management Science**.
- Winner, 2019 IBM Best Student Paper Award in Service Science
- Invited to present at the Federal Trade Commission (FTC) Workshop on Consumer Issues Related to Loot Boxes, 2019.

Elmachtoub, A., Gupta, V., Hamilton, M., *The Value of Personalized Pricing*. Minor Revision at **Management Science**.
- Accepted to the 15^{th} Conference on Web and Internet Economics (**WINE**), 2019
- Finalist, INFORMS Service Science Best Cluster Paper Competition, 2018

Elmachtoub, A., Hamilton, M., *The Power of Opaque Products in Pricing*. Minor Revision at **Management Science**.
- Accepted to the 13^{th} Conference on Web and Internet Economics (**WINE**), 2017

Previous Papers

Hoang, P., **Hamilton, M.**, Murray, J., Stafford, C., & Tran, H. *A Dynamic Feature Selection Based LDA Approach to Baseball Pitch Prediction.* Trends and applications in knowledge discovery and data mining (2015), 125-137.

Hamilton, M., Hoang, L. Layne, J. Murray, D. Padget, C. Stafford, & H. Tran. *Applying Machine Learning Techniques to Baseball Pitch Prediction.* Proc. of the 3rd Int. Conf. on Pattern Recognition Applications and Methods (2014).

Professional Experience

MediaMath, New York, NY — Summer 2017
Research Science Intern

Amazon Research, Seattle WA. — Summer 2016
Research Science Intern

North Carolina State University, Raleigh, NC — Summer 2013
Undergraduate Researcher

Presentations

Notes: * symbol implies talk was given by a coauthor in a conference without proceedings.

"Loot Box Pricing and Design"

- POMS Annual Conference 2018, Minneapolis MN. May 2020
- INFORMS Annual Conference 2019, Seattle WA. (*) Oct. 2019
- Federal Trade Commission (FTC) Workshop on Consumer Issues, Washington D.C. (*) Sept. 2019

"The Value of Personalized Pricing"

- WINE Conference 2019, New York NY. Dec. 2019
- MSOM Conference 2018, Dallas TX. July 2018
- RMP Section Conference 2018, Toronto CN. (*) June 2018
- POMS Annual Conference 2018, Houston TX. May 2018
- INFORMS Annual Meeting 2018, Phoenix AZ. Oct. 2018
- INFORMS Annual Meeting 2017, Houston TX. Oct. 2017

"The Power of Opaque Products in Pricing"

- WINE Conference 2017, IIS, Bangalore, India. Dec. 2017
- MSOM Conference 2017, UNC, Chapel Hill NC. June 2017
- POMS Annual Conference 2017, Seattle WA. May 2017
- INFORMS Annual Meeting 2018, Phoenix AZ. Oct. 2018
- INFORMS Annual Meeting 2016, Nashville TN. Nov. 2016
- RMP Section Conference 2016, NYU, New York NY. June 2016

"Applying Machine Learning Techniques to Baseball Pitch Prediction"

- JMM, MAA Undergraduate Student Poster Session Jan. 2014
  Outstanding Presentation Winner

Teaching Experience

University of Pittsburgh, Pittsburgh, PA
Instructor

- BUSQOM 1080 Data Analysis for Business Fall 2019

Columbia University, New York, NY
Teaching Assistant

- IEOR 4111 Operations Consulting. Fall 2017 - Spring 2018
- IEOR 8100 Learning and Optimization. Spring 2016
- IEOR 4004 Optimization Models & Methods. Fall 2015, Fall 2016
- IEOR 4106 Stochastic Models. Spring 2015

Rutgers University, New Brunswick, NJ
Recitation Mentor/Grader

- CS 111, Introduction to Computer Science. Spring 2013 - Spring 2014
- MATH 151/152, Calculus I & II Fall 2012 - Fall 2014

Honors & Awards

Winner, IBM Best Student Paper Award in Service Science (to *Xiao Lei*)	2019
Finalist, Service Science Best Cluster Paper Competition	2018
Weill Scholarship	2013 - 2014
SAS Excellence Award, The Harry J. Riskin Scholarship	2012 - 2014
Scarlet Scholarship	2010 - 2014
Dean's Scholarship	2010 - 2014
Rutgers Mathematics Honors Track	2013 - 2014
Rutgers School of Arts and Sciences Honors Program	2010 - 2014

University Service

2018 Academic Job Market Panel Organizer (Columbia)
2017 IEOR-DRO Seminar Student Organizer (Columbia)

Misc.

Languages: Python, R, Julia, Matlab, Java, LaTeX
Citizenship: USA