

Yue (Yvette) Yin

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EDUCATION

Kellogg School of Management, Northwestern University

Ph.D. Candidate in Operations Management (GPA: 3.8/4.0) September 2014 - June 2019 (Expected)

Weinberg College of Arts & Sciences, Northwestern University

M.A. in Economics Fall 2016 - Spring 2019 (Expected)

College of Computing, Georgia Institute of Technology

M.S. in Computer Science Fall 2018 - June 2021 (Expected)

Shanghai Jiao Tong University (SJTU), China

B.B.A. in Operations and Supply Chain Management Sep 2010 - June 2014

Graduated with distinction: The Excellent College Graduate of Shanghai, China (GPA: 3.93/4.0 Rank 1/45)

SKILLS & EXPERTISE

Statistical Software: R (Proficient), Stata (Professional)

Databases and Scripting Languages: SQL, Python

Mathematical Programming: Matlab, Mathematica

Language: Mandarin Chinese (Native proficiency), English (Full professional proficiency)

GRADUATE RESEARCH PROJECTS

Balancing Patient Care and Resident Supervision in Emergency Medicine

April 2017 - present

- Designed and implemented an ergonomic study in two Chicago suburban emergency departments (EDs), including 400 hours of observation and 200 hours of surveys and interviews
- Recruited, scheduled and consented 25 attending physicians for the observation and over 100 patients for the survey
- Prepared and maintain Institutional Review Board (IRB) review paperwork
- Collected and categorized time-motion data of 35, 348 task executions by the participating physicians
- Extracted over 100, 000 ED patient-level turnaround records from the ED electronic data warehouse
- Develop a multivariate beta regression model to delineate the relationship of emergency medicine (EM) resident supervision and patient care by attending physicians
- Program and perform the statistical analysis using R

Learning by Doing versus Learning by Viewing: An Empirical Study of Data Analyst Productivity on a Collaborative Platform

January 2017 - present

- Collaborate with a Fortune 500 e-commerce corporation and study their data analysts' behavior on an enterprise collaborative data platform
- Partner with internal computer and software engineers on data capture strategy to support advanced analysis and insights on analyst behavior
- Program SQL and Python scripts to extract data, including over 1, 000, 000 records of analyst usage data and over 4, 000 employee profiles of participating analysts
- Develop key performance metrics and segmentations for analysts based on their own productivity and influence in the collaborative social network
- Categorize two learning modes for the analysts and build a multivariate zero-truncated Poisson regression to empirically identify which one benefits their productivity more
- Propose design implications to the platform for improving the quality of learning and collaboration among data analysts

TEACHING EXPERIENCE

McCormick School of Engineering, Northwestern University

Teaching Assistant, 2014 Fall

- Dynamic Programming (IEMS-469, Ph.D. Course of 30 Students)

Kellogg School of Management, Northwestern University

Head Teaching Assistant, Spring 2016 - Present

- Strategic Decisions in Operations (OPNSX-454, EMBA Course of 50 Students) 2016 Fall, 2017 Fall
- Foundations of Operations Management (OPNS-521, Ph.D. Course) 2016 Fall, 2017 Fall
- Applied Advanced Analytics (OPNS-940, MBA Course of 80 Students) 2016 Spring
- Operations Management (OPNSX-430, EMBA Course of 50 Students) 2017 Spring, 2018 Spring
- Operations Strategy (OPNS-454, MBA Course of 120 Students) 2017 Winter, 2018 Winter

Kellogg-WHU: Global Executive MBA Program

Head Teaching Assistant, Summer 2017 - Present

- Operations Management (KW20, KW21) Summer 2017, Summer 2018

PUBLICATIONS & PRESENTATIONS

Yin, Y., Gurvich, I., McReynolds, S., Seys, D., Van Mieghem, J.A. "Learning by Doing versus Learning by Viewing: An Empirical Study of Data Analyst Productivity at eBay on a Collaborative Platform." *Proceedings of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW'18)*. Jersey City, New Jersey. Full paper conditionally accepted. New York: ACM.

Yin, Y., Wang, E.E., Gurvich, I., Kharasch, M.S., Rice, C., Novack, J., Babcock, C., Ahn, J., Bowman, S.H., Van Mieghem, J.A. "Balancing Patient Care and Resident Supervision in Emergency Medicine: Resident Effect on Attending Physician Workload Study." *The Production and Operations Management Society (POMS) 29th Annual Conference*. May 4 - 7, Houston, Texas, USA, 2018

Yin, Y., Wang, E.E., Gurvich, I., Kharasch, M.S., Rice, C., Novack, J., Babcock, C., Ahn, J., Bowman, S.H., Van Mieghem, J.A. "Balancing Patient Care and Resident Supervision in Emergency Medicine: Resident Effect on Attending Physician Workload Study." *2017 Medical Education Day*. Pritzker School of Medicine, University of Chicago, Chicago, IL, USA, 2017

RELEVANT PROFESSIONAL DEVELOPMENT & CERTIFICATES

MOOC Experience

- Nine-course Data Science Specialization (Johns Hopkins University|Coursera)
- Social and Economic Networks: Models and Analysis (Stanford University|Coursera)
- Machine Learning (Stanford University|Coursera)
- Statistical Learning (Stanford Online)

Certificates:

- The Association of Chartered Certified Accountants: Pass F1, F2, F3, F4, F6 2013

HONORS

Fellowship, Kellogg School of Management 2014 - 2019 (Expected)
The Excellent College Graduate of Shanghai, China (Top 1%) 2014
National Scholarship for college students, China (Top 1%) 2013
Shanghai Municipal Government Scholarship for college students, China (Top 3%) 2012
First Prize in 4th National **Mathematics** Contest for college students, China 2012
First Prize in National Mathematics Contest for high school students, China 2009
First Prize in National Chemistry Contest for high school students, China 2009
First Prize in National Physics Contest for high school students in Jiangsu Province, China 2009