Yi-Chun Chen

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Education

University of California, Los Angeles (UCLA), California.
PhD in Management (Decisions, Operations and Technology Management)
9/2017 - present.

Stanford University, California.
MS in Computational and Mathematical Engineering
9/2014 - 4/2017.

National Taiwan University, Taiwan.
BS in Physics
9/2009 - 6/2013, with Presidential Awards (2012,2013).

Publication

Submitted articles

1. "Column-Randomized Linear Programs: Performance Guarantees and Applications" (2020), **Yi-Chun Chen**, Velibor Mišić, submitted.
2. "Decision Forest: A Nonparametric Approach to Modeling Irrational Choice" (2019), **Yi-Chun Chen**, Velibor Mišić, under second round review at *Management Science* (first round decision: major revision).
    - Spotlighted Presentation, 2019 INFORMS Revenue Management and Pricing Conference, Stanford, CA.
    - Winner, 2019 INFORMS Decision Analysis Student Paper Competition.
    - 2nd Place, 2019 INFORMS Revenue Management and Pricing Student Paper Competition.
    - Finalist, 2019 INFORMS Service Science Best Paper Competition.

Refereed Journal Articles

1. "Learning Discrete Bayesian Networks from Continuous Data" (2017), **Yi-Chun Chen**, Tim A. Wheeler, Mykel J. Kochenderfer, *Journal of Artificial Intelligence Research*, 59, 103-132.
2. "Deep Reinforcement Learning for Event-Driven Multi-Agent Decision Processes" (2017), Kunal Menda, **Yi-Chun Chen**, Justin Grana, James W. Bono, Brendan D. Tracey, Mykel J. Kochenderfer, David Wolpert *IEEE Transactions on Intelligent Transportation Systems*, 20(4), 1259-1268.

Refereed Conference Proceedings

1. "Improving Offline Value-Function Approximations for POMDPs by Reducing Discount Factors" (2018), **Yi-Chun Chen**, Mykel J Kochenderfer, Matthijs TJ Spaan, *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS).*

Research Experience

Decisions, Operations, and Technology Management,
UCLA Anderson School of Management.

- *Advisor:* Professor Velibor Mišić.

- *Research Topics:* Choice and Assortment Modeling, Large-scale Optimization.

Stanford Intelligent System Laboratory,
Department of Aeronautics and Astronautics, Stanford University.

- *Advisor:* Professor Mykel Kochenderfer.
- *Research Topics:* Probabilistic Graphical Models, Reinforcement Learning.

Quantum Condensed Matter Theory Laboratory,
Institute of Atomic and Molecular Sciences (IAMS), Academia Sinica, Taiwan.

- *Advisor:* Professor Mei-Yin Chou.
- *Research Topics:* Computational Physics, Condensed Matter Physics.
- *Award:* Dr. Chao-Ting Chang Memorial Research Scholarship.

Teaching

Teaching Assistantships

1. MSA408: Operations Analytics.
   - Program: Master of Business Analytics, UCLA, Spring 2020.
   - Instructor: Professor Velibor Mišić.
   - Office hours, grading homework and exams.
2. MGMT410: Logistics and Operations Management.
   - Program: Execute MBA program, NUS-UCLA, Fall 2019.
   - Instructor: Professor Christopher Tang
   - TA review session, grading homework and exams.
3. MGMT402: Data and Decisions.
   - Program: Fully-Employed MBA, UCLA, Fall 2018 (2 sections).
   - Instructors: Professor Velibor Mišić and Professor Rakesh Sarin.
   - Assisted in office hour, TA review session, grading homework and exams.

Programming Languages

Julia, Python, Matlab, R.

Extracurricular Experience

1. Director, Taiwanese Student Association, Stanford University. 5/2015 - 4/2016
2. Vice President, Student Association, Dept. of Physics, NTU. 7/2012 - 7/2013
3. Captain, Basketball Team, Dept. of Physics, NTU. 7/2012 - 7/2013