

Ying Daisy Zhuo



CONTACT INFORMATION	70 Lincoln St Unit L612 Boston, MA 02111	802-377-2516 yingdaisyzhuo@gmail.com
EDUCATION	Massachusetts Institute of Technology Cambridge, MA Ph.D. candidate, Operations Research, Analytics Track May 2018 (Expected) GPA: 5.00/5.00 Advisor: Dimitris Bertsimas, Ph.D. Topics: Machine learning and Optimization; predictive and prescriptive health analytics Middlebury College Middlebury, VT B.A., Mathematics and Economics May 2012 GPA: 3.97/4.00, Salutatorian, Phi Beta Kappa Prize, Dr. Francis D. Parker Mathematics Prize, D.K. Smith Economics Prize, Christian A. Johnson Prize in Economics	
EXPERIENCE	Analysis Group, Inc. Boston MA Analyst July 2012 to May 2014 <ul style="list-style-type: none">Conducted Bayesian network meta-analyses synthesizing the evidence from published clinical trials to compare efficacy and safety across a network of treatment optionsBuilt cost-effectiveness Monte Carlo simulation models or Markov chain models in disease areas such as HIV, deep vein thrombosis, and multiple myelomaDeveloped and instructed the programming language R training course for 200+ employees across two offices, enabling managers and associates to conduct more efficient data analysis and build more advanced models Warwick Business School University of Warwick, UK Research Fellow in Data Science May to August 2014 <ul style="list-style-type: none">Topic: Describing and understanding human behavior using Internet dataProject 1: Use Bayesian hierarchical models to predict crime in the United Kingdom with crowd-sourced dataProject 2: Quantify the diversity of financial news and its relationship with the financial market	
PROGRAMMING	R ★★★★★ SAS ★★★★★☆	Python ★★★★★☆ SQL ★★★★★☆ Matlab ★★★★★☆ Java ★★☆☆☆☆
ADDITIONAL	Foreign languages: Mandarin (native), Japanese (proficient) Design software: Adobe Photoshop (expert), Adobe Illustrator (proficient) Leadership experience: <ul style="list-style-type: none">Officer for INFORMS Student Chapter at MITParticipated at Brigham and Women's Hospital hackathon on women's mental healthEnergy modeling lead at Solar Decathlon competition	

PUBLISHED
PAPERS AND
CONFERENCE
ABSTRACTS

1. Bertsimas, D., Kallus, N., Weinstein, A., **Zhuo, Y.D.** “Personalized diabetes management”. Presented at *American Diabetes Association 76th Scientific Sessions*, 2016.
2. Bertsimas, D., Dunn, J., Pawlowski, C., **Zhuo, Y.D.** “Robust classification”. Presented at *INFORMS Annual Meeting*, 2015.
3. Freemantle, N., Chou, E., Frois C., **Zhuo, D.**, Lehmacher, W., Vlainic A., Wang, H., Chung, H., Zhang, Q., Wu, E., Gerrits, C. “Safety and efficacy of insulin glargine 300u/mL compared with other basal insulin therapies in patients with type 2 diabetes mellitus: a network meta-analysis.” *BMJ Open*, 2016;6:e009421.
4. Sweet, D.E., **Zhuo, D.**, Macalalad, A.R., and Signorovitch, J. “Cost-effectiveness of single versus multiple tablet regimens for treatment of HIV-1 infection.” To be presented at *International Society For Pharmacoeconomics and Outcomes Research*, 2014.
5. Sweet, D.E., **Zhuo, D.**, Zhong, Y., and Signorovitch, J. “Real-world adherence among patients receiving single versus multiple tablet regimens for HIV-1 infection, and associations between adherence and viral suppression: a systematic literature review and meta-analysis.” To be presented at *International AIDS Society*, 2014.
6. Mody, S.H., Huynh, L., **Zhuo, D.**, Tran, K.N., Lefebvre, P., Bookhart, B.K.. “A cost-analysis model for anticoagulant treatment in the hospital setting.” To appear in *Journal of Medical Economics*, 2014.
7. Lefebvre, P., Coleman, C.I., Bookhart, B.K., Wang, S.T., Mody, S.H., Tran, K.N., **Zhuo, D.**, Huynh, L., and Nutescu, E.A.. “Cost-effectiveness of rivaroxaban compared with enoxaparin plus a vitamin K antagonist for the treatment of venous thromboembolism.” *Journal of Medical Economics*, Nov 14, 2013.
8. Dickerson, M.T., Goodrich, M.T., Dickerson, T.D., and **Zhuo, D.** “Round-trip Voronoi diagrams and doubling density in geographic networks.” *Transactions on Computational Science* 14: 211-238, 2011.

SUBMITTED
PAPERS

1. Bertsimas, D., Dunn, J., Pawlowski, C., **Zhuo, Y.D.** “Robust classification”. (Submitted for publication), 2016.
2. Bertsimas, D., Kallus, N., Weinstein, A., **Zhuo, Y.D.** “Personalized diabetes management using electronic medical records”. (Submitted for publication), 2016.
3. Curme, C., **Zhuo, D.**, Moat, H.S., and Preis, T. (Submitted for publication). “The role of diversity in financial news.” 2016.