

Duzhe Wang

CONTACT INFORMATION

Eli Lilly and Company
893 Delaware St
Indianapolis, IN 46225

Phone: (352) 281-9796
E-mail: duzhe.stat@gmail.com
Homepage: <https://duzhewang.github.io/>

RESEARCH INTERESTS

Causal inference, statistical machine learning, data science in healthcare, finance and technology industries

EMPLOYMENT

The Statistics, Data, and Analytics Division, Eli Lilly and Company Indianapolis, IN

Research Scientist, Jan. 2021 - present

- Providing analytical expertise in post-regulatory evidence generation to accelerate market access and commercialization for Lilly immunology portfolio
- Developing new analytical methodology and tool in the area of precision medicine to improve patient outcomes
- Working closely in partnership with cross-functional teams (e.g., clinical development, medical affairs, market access, health technology assessment, health outcomes and real world evidence, scientific communications)

Advanced Analytics and Data Sciences, Eli Lilly and Company

Indianapolis, IN

Research Intern in Machine Learning, May 2019-Aug. 2019

- Developed boosting algorithms for individualized treatment recommendation

EDUCATION

University of Wisconsin-Madison

Madison, WI

Ph.D. in Statistics, December 2020

Minor in Computer Science (machine learning track)

- Dissertation: “Efficient statistical learning of complex data”
- Advisor: Po-Ling Loh

University of Florida

Gainesville, FL

M.S. in Mathematics, May 2015

- Cumulative GPA: 4.0/4.0

Jilin University

Changchun, China

B.S. in Mathematics, June 2013

- Major GPA: 91/100, overall rank: 2/100

- MGF1107: Math for LS Majors Summer 2015
- MAC2311: Calculus I Summer 2014

Teaching assistant

Department of Statistics, UW-Madison & Department of Mathematics, UF

Led discussions (around 3 sessions per semester), wrote weekly quizzes, administered online homework, graded all assessments, and interacted individually with students during office hours. Ranked top percent in TA evaluation

- STAT641: Statistical Methods for Clinical Trials Spring 2017
- STAT311: Mathematical Statistics Spring 2017
- STAT324: Introductory Applied Statistics for Engineers Fall 2016 & 2015
- STAT371: Introductory Applied Statistics for Life Sciences Summer 2016 & Spring 2020
- STAT327: R programming Spring 2016
- STAT479: Statistical Machine Learning Spring 2016
- MAC2311: Calculus I Spring 2015, Fall 2014 & Spring 2014
- MAC1147: Precalculus Fall 2013

PROFESSIONAL SERVICE AND LEADERSHIP

Reviewer, Annals of the Institute of Statistical Mathematics
 Reviewer, Journal of Machine Learning Research (JMLR)
 Reviewer, Journal of the Royal Statistical Society: Series B
 Reviewer, Statistical Science
 Reviewer, Biometrika
 Reviewer, Statistics in Medicine
 Reviewer, Scandinavian Journal of Statistics
 Student representative, Statistics Department Climate and Diversity Committee, 2018 - 2019
 President, UW-Madison Statistics Graduate Student Association, 2017 - 2018
 Founder, UW-Madison ASA Student Chapter, 2017
 Vice President, Jilin University Mathematical Modeling Association, 2009 - 2011

SKILLS

- Computer Skills: R, Python, Matlab, SAS (SAS Certified Base Programmer for SAS 9 & SAS Certified Advanced Programmer for SAS 9), Github, Linux, SQL, \LaTeX
- Languages: English(fluent), Chinese(native)

Last updated date: November 1, 2021