

Exponent®
Engineering & Scientific Consulting

Henrique Cheng, Ph.D.

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Professional Profile

Dr. Henrique Cheng provides consulting services related to statistics, data analysis, and data visualization. He has experience with experimental design, regression, machine learning, computational statistics, functional data analysis, and Bayesian statistics. He has specifically worked with applications in healthcare, insurance, biology, and ecology.

Dr. Cheng became interested in statistics during his undergraduate studies in marketing after taking quantitatively oriented courses such as survey design and analysis. He completed a master's in applied statistics at LSU, where he gained experience consulting for clients within the university and programming in SAS, R, and C++. His most notable project there involved examining insect populations in streams for the College of Coast and Environment. Dr. Cheng has a strong passion for the instruction of statistics and communicating scientific ideas to a general audience.

He completed a Ph.D. in statistics at ASU, where his dissertation focuses on Bayesian methods for estimating ordinary differential equation (ODE) parameters. While at ASU, he developed a model selection method with applications in ecology and completed a consulting project that analyzed weight loss patterns over time.

Academic Credentials & Professional Honors

Ph.D., Statistics, Arizona State University, 2024

M.S., Applied Statistics, Louisiana State University, 2020

B.S., Marketing, Louisiana State University, 2018

Graduate College Completion Fellowship, ASU, 2023

Research Training Group Fellowship, ASU, 2020

Paul and Theresa Hendershot Marketing Scholarship, LSU, 2018

Kiwanis Club of LSU Scholarship, 2016

Professional Affiliations

American Statistical Association (ASA)

Institute of Mathematical Statistics (IMS)

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