

Ngoc Minh Quang Nguyen

Department of Statistics & Data Science, Carnegie Mellon University

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EDUCATION

Carnegie Mellon University PhD, Statistics & Data Science	2022 – present
Loyola University Chicago MS, Applied Statistics	2020 – 2021
Wittenberg University BS, Mathematics & Data Science	2017 – 2020

RESEARCH EXPERIENCE

Loyola University Chicago Graduate Research Assistant (Advisor: Gregory J. Matthews)	2020 – 2021
Wittenberg University Senior Honors Thesis Research (Advisor: Douglas M. Andrews)	2019 – 2020

ACADEMIC EXPERIENCE

Carnegie Mellon University Teaching Assistant 36-401/607: Modern Regression	Fall 2022
Loyola University Chicago Instructor STAT 103: Fundamentals of Statistics (3 sections)	Spring 2022
Wittenberg University Math Workshop Head Tutor	2018 – 2020
Wittenberg University Faculty Aide	2018 – 2020
Clarkston Senior High School S.U.M. (Student Understanding Math) Assistant	2017

PUBLICATIONS

Journal Articles

Q. Nguyen, H. Butler, G. J. Matthews. An Examination of Olympic Sport Climbing Competition Format and Scoring System. *Journal of Data Science* **20**(2), 156–167, 2022. doi: [10.6339/22-JDS1042](#). arXiv: [2111.05310](#).

Q. Nguyen. Poisson Modeling and Predicting English Premier League Goal Scoring. *New England Journal of Statistics in Data Science*. 2021+. doi: [10.51387/21-NEJSDS1](#). arXiv: [2105.09881](#).

Submitted

B. S. Baumer, G. J. Matthews, **Q. Nguyen**. Big Ideas in Sports Analytics and Statistical Tools for their Investigation. *Wiley Interdisciplinary Reviews: Computational Statistics*. 2022.

Other

B. S. Baumer, **Q. Nguyen**, G. J. Matthews. CRAN Task View: Sports Analytics. The Comprehensive R Archive Network. 2022. <https://cran.r-project.org/web/views/SportsAnalytics.html>

SELECTED PRESENTATIONS

Invited

Q. Nguyen, H. Butler, G. J. Matthews. An Examination of Olympic Sport Climbing Competition Format and Scoring System. *Cascadia Symposium on Statistics in Sports*. September 2022.

Q. Nguyen, H. Butler, G. J. Matthews. An Examination of Sport Climbing's Competition Format and Scoring System. *Carnegie Mellon Sports Analytics Conference*. November 2021.

Winner, Open Methodology Track, Reproducible Research Competition.

Posters

Q. Nguyen, H. Butler, G. J. Matthews. Concerns Regarding Sport Climbing Competition Format and Scoring System: Who's Suffering? *UConn Sports Analytics Conference*. October 2021.

Winner, Student Poster Award.

Q. Nguyen. Poisson Modeling and Predicting English Premier League Goal Scoring. *NextGen: Data Science Day - New England Statistical Society*. November 2020.

Co-Winner, Poster Competition, Undergrad/MS Group.

Q. Nguyen. Poisson Modeling and Predicting English Premier League Goal Scoring. *Carnegie Mellon Sports Analytics Conference*. October 2020.

Q. Nguyen. Poisson Modeling and Predicting English Premier League Goal Scoring. *UConn Sports Analytics Conference*. October 2020.

HONORS & AWARDS

Merit Award	2020-2021
MS in Applied Statistics Program, Loyola University Chicago	
Summa Cum Laude	2020
Graduated with the highest distinction, Wittenberg University	
Departmental Honors	2020
Department of Mathematics and Computer Science, Wittenberg University	
Phi Beta Kappa	2020
Omicron of Ohio Chapter, Wittenberg University	
Pi Mu Epsilon	2020
Ohio Upsilon Chapter, Wittenberg University	

The Charles and Elsie Little Mathematics Award	2020
Department of Mathematics and Computer Science, Wittenberg University Awarded to the most outstanding senior majoring in mathematics and data science	
Pick and Pen	2019
Wittenberg University	
Mathematics 202 Award	2018
Department of Mathematics and Computer Science, Wittenberg University Awarded to an outstanding first-year student in the introductory calculus sequence	
Textbook Award	2018
Department of Mathematics and Computer Science, Wittenberg University	
Phi Eta Sigma	2018
Wittenberg University	
Dean's List	All semesters; 2017 – 2020
Wittenberg University	

RESEARCH INTERESTS

Data science; supervised learning; statistical computing; statistics & data science education
Applications in sports

SKILLS

R/RStudio (tidyverse); markdown, L^AT_EX (proficient)
shiny, Python; Java; SQL; SAS; Git/GitHub (intermediate)
Bilingual: Vietnamese (native language) and English (proficient)

MENTORING

Women in Data Science (WiDS) Datathon 2022
WiDS: Chicago. <https://widschicago.org>

MEDIA

An Examination of Sport Climbing with Quang Nguyen 2022
Open Source Sports Podcast, Episode IX.
<https://anchor.fm/open-source-sports/episodes/An-Examination-of-Sport-Climbing-with-Quang-Nguyen-e1inj9>

Viz Buzz 2022
Episodes 2, 3, 4, 5 Contestant (Episodes 3 & 4 Lap Winner)
<https://www.youtube.com/c/NickWan/videos>

Can you pick the AFL's Brownlow Medal winner without knowing the first thing about Australian rules? 2021
ABC News (Australia)

<https://www.abc.net.au/news/2021-09-19/afl-trying-to-predict-the-2021-brownlow-medal-winner/100472246>

Last updated August 17, 2022