Ngoc Minh Quang Nguyen

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EDUCATION

Carnegie Mellon University   2022 – present
PhD, Statistics & Data Science

Loyola University Chicago   2020 – 2021
MS, Applied Statistics

Wittenberg University   2017 – 2020
BS, Mathematics & Data Science

RESEARCH EXPERIENCE

Loyola University Chicago   2020 – 2021
Graduate Research Assistant (Advisor: Gregory J. Matthews)

Wittenberg University   2019 – 2020
Senior Honors Thesis Research (Advisor: Douglas M. Andrews)

ACADEMIC EXPERIENCE

Carnegie Mellon University   Fall 2022
Teaching Assistant
36-401/607: Modern Regression

Loyola University Chicago   Spring 2022
Instructor
STAT 103: Fundamentals of Statistics (3 sections)

Wittenberg University   2018 – 2020
Math Workshop Head Tutor

Wittenberg University   2018 – 2020
Faculty Aide

Clarkston Senior High School   2017
S.U.M. (Student Understanding Math) Assistant

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, LaTeX (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 Guest.
https://anchor.fm/open-source-sports/episodes/An-Examination-of-Sport-Climbing-with-Quang-Nguyen-e1injq9

Viz Buzz   2022
Episodes 2, 3, 4, 5 Contestant (Episodes 3 & 4 Lap Winner)
https://youtube.com/playlist?list=PL2rVQ3cmgOyx_CdtKOAOoX2pikOcc_xu-

Can you pick the AFL's Brownlow Medal winner without knowing the first thing   2021
about Australian rules?
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 18, 2022