

# Ngoc Minh Quang Nguyen

---

Department of Statistics & Data Science, Carnegie Mellon University

✉ [nminhquang.99@gmail.com](mailto:nminhquang.99@gmail.com)  [qntkhvn](#)  [qntkhvn](#)  [qntkhvn.netlify.app](#)

---

## EDUCATION

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

## RESEARCH EXPERIENCE

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

## ACADEMIC EXPERIENCE

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

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

<b>The Charles and Elsie Little Mathematics Award</b>	2020
Department of Mathematics and Computer Science, Wittenberg University Awarded to the most outstanding senior majoring in mathematics and data science	
<b>Pick and Pen</b>	2019
Wittenberg University	
<b>Mathematics 202 Award</b>	2018
Department of Mathematics and Computer Science, Wittenberg University Awarded to an outstanding first-year student in the introductory calculus sequence	
<b>Textbook Award</b>	2018
Department of Mathematics and Computer Science, Wittenberg University	
<b>Phi Eta Sigma</b>	2018
Wittenberg University	
<b>Dean's List</b>	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<sup>A</sup>T<sub>E</sub>X (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-e1inj99>

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*