

# Ngoc Minh Quang Nguyen

Department of Statistics & Data Science, Carnegie Mellon University

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## 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

### 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

<b>Pick and Pen</b> Wittenberg University	2019
<b>Mathematics 202 Award</b> Department of Mathematics and Computer Science, Wittenberg University Awarded to an outstanding first-year student in the introductory calculus sequence	2018
<b>Textbook Award</b> Department of Mathematics and Computer Science, Wittenberg University	2018
<b>Phi Eta Sigma</b> Wittenberg University	2018
<b>Dean's List</b> Wittenberg University	All semesters; 2017 – 2020

## RESEARCH INTERESTS

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

## SKILLS

Computing: R/RStudio (expert); markdown, L<sup>A</sup>T<sub>E</sub>X (proficient); Python, SQL, SAS, Git/GitHub (basic)  
Bilingual: Vietnamese (native language) and English (proficient)

## MENTORING

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

## 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-e1inj99>

Viz Buzz 2022  
Episodes 2, 3, 4, 5 Contestant (Episodes 3 & 4 Lap Winner)  
[https://youtube.com/playlist?list=PL2rVQ3cmgOyx\\_CdtKOA0oX2pikOcc\\_xu-](https://youtube.com/playlist?list=PL2rVQ3cmgOyx_CdtKOA0oX2pikOcc_xu-)

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>

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