Huy Huynh, Ph.D.

Emory University
Goizueta Business School
1300 Clifton Rd, Atlanta, GA 30322
Huy.Huynh@emory.edu

Academic Appointments

Emory University – Goizueta Business School
Associate Professor in the Practice of Information Systems and Operation Management (ISOM), January 2024 - Present

University of Notre Dame
Associate Teaching Professor, Information Technology, Analytics, and Operations (ITAO), Mendoza College of Business, July 2020- December 2023

Concurrent Associate Teaching Professor, Applied and Computational Mathematics and Statistics (ACMS), January 2021-December 2023

Associate Teaching Professor, ACMS, July 2018- June 2020

Assistant Teaching Professor, ACMS, July 2012- June 2018

Georgia Institute of Technology
Instructor, May 2009- July 2012

Head Graduate Teaching Assistant, January - May 2009

Graduate Teaching Assistant, August 2006 - December 2008

Education

Ph.D., Mathematics, Georgia Institute of Technology, Atlanta, Georgia, 2012
Dissertation: *Estimating the maximum probability of categorical classes with applications to biological diversity measurements*

M.S., Statistics, Georgia Institute of Technology, Atlanta, Georgia,2009

B.S., Mathematics, Kennesaw State University, Atlanta, Georgia, 2006

A.S., Computer Science, Georgia State University - Perimeter College, Atlanta, Georgia, 2004

Teaching Experience

Emory University, Goizueta Business School, 2024-present

- Undergraduate Studies in Bachelor of Business Administration (BBA)
  Course: Data and Decision Analytics

University of Notre Dame, 2012-2023

- Undergraduate Studies in Business Analytics
  Course: Predictive Analytics (Face-to-Face and Online), 2020- 2023
- Master of Science in Business Analytics (MSBA) Program
  Course: Time Series Forecasting, 2021-2023
- Master of Science in Business Analytics with a concentration in Sports Analytics (MSBA-SA) Program
  Course: Predictive Analytics, 2022-2023
- Master of Science in Data Science (Online)
  Course: Probability & Statistics in Data Science, 2017-2020
  Course: Time Series & Forecasting, 2017-2023
- Master of Business Administration (MBA) Program
  Course: Time Series Forecasting, 2020-2023
- Executive MBA Program - Chicago
  Course: Introduction to Business Analytics, 2021-2023
- Master of Science in Management Program
  Course: Statistics in Business, 2014-2023
- Undergraduate Studies in Applied and Computational Mathematics and Statistics
  Course: Mathematical Finance, 2013-2014
  Course: Introduction to Probability, 2012-2015
  Course: Time Series Analysis, 2016-2019
  Course: Statistics for Business, 2012-2020
- Graduate Studies (Master's and Ph.D. program) in Applied and Computational Mathematics and Statistics
  Course: Statistical Inference, 2014-2017
  Course: Intermediate Probability, 2014-2019
  Course: Time Series Analysis, 2016-2019
  Course: Mathematical Finance, 2013-2014

Georgia Institute of Technology, 2006- 2012

All classes listed below are at the undergraduate level, with different instructional roles (underlined).

- Instructor: Probability and Statistics, Statistics and Its Applications, Finite Mathematics, Linear Algebra, Calculus I, II, and III
- Head Teaching Assistant: Differential Equations
- Teaching Assistant: Differential Equations, Calculus II and III

Awards and Recognitions:

- 2023 Recipient of the Master of Science in Business Analytics Outstanding Faculty Award, Mendoza College of Business, University of Notre Dame
- 2023 Recipient of the James Dincolo Outstanding Teaching Award, Department of IT, Analytics and Operations, Mendoza College of Business, University of Notre Dame
- Featured on 'Teach@ND Day| Mendoza' event on inclusive teaching, University of Notre Dame, October 2022
- Kaneb Center Course Design Academy, University of Notre Dame, 2019-2020
- Nominated for the Rev. Edmund P. Joyce, C.S.C. Award for Excellence in Undergraduate Teaching, University of Notre Dame, 2018
- Nominated for the Master of Science in Management Outstanding Professor Award, Mendoza College of Business, University of Notre Dame, 2019, 2016, and 2015 ● Kennesaw State University Distinguished Alumni Award, 2013
- Georgia Tech's CETL/BP Outstanding Graduate Teaching Award, 2010
- Clendenin Graduate Fellow Award, Kennesaw State University, 2010
- Georgia Tech's CETL 'Thank a Teacher Program', 2008-2009
- Department of Mathematics and Statistics' Outstanding Senior Award, Kennesaw State University, 2006
- Second place in Math's team competition, Georgia State University- Perimeter College, 2003

Intellectual Property:

- Author of the intellectual property of the 'Probability and Statistics for Data Science' online courseware for the online Master of Science in Data Science program
    - o Write 15 weekly learning objectives
    - o Implement 12 weekly activities for students to execute and report.
    - o Film for over 70 lecture videos
    - o Prepare over 250 online questions that are automatically graded on submission
- Author of the intellectual property of the 'Time Series and Forecasting' online courseware for the online Master of Science in Data Science program
    - o Write 4 weekly learning objectives
    - o Film for over 25 lecture videos
    - o Prepare over 50 online questions that are automatically graded on submission

Certifications and Professional Development

- ND Learning | Kaneb Center's Inclusive Pedagogy Partnership, University of Notre Dame, 2022
- Certificate in 'Business Analytics: From Data to Insights', The Wharton School's Aresty Institute of Executive Education, University of Pennsylvania, 2020
- Certificate in Business Analytics, Mendoza College of Business, University of Notre Dame, 2019
- MIT Professional Education, Tackling the Challenges of Big Data, 2015

Publications

Kuno, M, M. Prorok, S. Zhang, **H. Huynh,** T. Miller (2022). Deciphering the US News and World Report Ranking of US Chemistry Graduate Programs. Scientometrics 127, 2131 - 2150

Houdre, C., **H. Huynh**, and L. Peng. (2015). The asymptotic distribution of the multinomial maximum with an increasing number of classes. Extremes 18, 179-190.

Huynh, H. (2012). Estimating the Maximum Probability of Categorical Classes with Applications to Biological Diversity Measurement. UMI Dissertation Publishing. ProQuest-CSA, LLC.

Service

Professional Service

- Reviewer for the 'Journal of Data Science', 2022-present
- Mentor for the Early Career Teachers' Network, INFORMS, 2022-present
- Content Developer, the online Data Science Readiness Assessment's calculus content on EdX, 2017

Departmental, College, and University Service

- Faculty lead for the AI Data Lab, Emory | AI Humanity, Spring 2025 and Spring 2026
- ISOM area representative, Goizueta's BBA Orientation Expo, Fall 2024-present
- Member, ITAO Undergraduate Committee, Mendoza College of Business, University of Notre Dame, 2020-2023
- Member, Master of Science in Management's curriculum committee, Mendoza College of Business, University of Notre Dame, 2021-2023
- Faculty advisor, the Asian Business Society, University of Notre Dame, 2022-present
- Faculty team, Mendoza College of Business's graduation commencement, University of Notre Dame, May 2022.
- Partner, ND Learning | Kaneb Center's Inclusive Pedagogy Partnership, University of Notre Dame, 2022
- Pilot Faculty, Canvas Learning Management System (LMS) for the university's new LMS initiative, University of Notre Dame, 2020-2021
- Collaborator, the university's Office of Digital Learning (ODL) initiative. Worked with colleagues across campus to develop a new online platform and write an interdisciplinary course curriculum, University of Notre Dame, 2017-2020.
- Faculty Marshal, University of Notre Dame's graduation commencement, May 2019
- Member, ACMS Undergraduate Committee, 2017-2019
- Teaching Seminar co-instructor, ACMS, University of Notre Dame, 2013 – 2020
- Teaching Mentor, ACMS, University of Notre Dame, 2013 – 2020
- M.S. Candidacy Committee Member, ACMS, University of Notre Dame, 2014

Student Research Projects

- Undergraduate Independent Study, Goizueta Business School, Emory University
  - Andrew Cai and Sam Liu, *custom GPT's Virtual Teaching Assistant for Data and Decision Analytics*, Spring 2026
  - Auora Wu, *Hedging Soybean Futures*, Emory University, Fall 2025
  - Viraj Bansal, *GenAI in Higher Education*, Emory University, Fall 2025
  - Sarah Roodin, *Linear, Log, and Binomial Models in Car Data*, Emory University, Spring 2025
  - Sarah Roodin, *An Application of Random Walks Time Series*, Emory University, Fall 2024
- Undergraduate Honor Thesis Advisor, ACMS, University of Notre Dame
  - Melissa Krumdick, *An Analysis of Volatility-Based Option Trading Strategies*, University of Notre Dame, May 2016
- Undergraduate Research Mentor, ACMS, University of Notre Dame
  - Qiyang Song, *Stock Options Trading Research: Iron Condor and Collars*, University of Notre Dame, fall 2015
  - Yijun Xie, *Volatility Estimation and Applications in Stock Options Trading Decisions*, University of Notre Dame, spring 2015
  - Scott Rousseau, *Stock Options Trading Research: Buttery and Calendar Spreads*, University of Notre Dame, spring 2015
  - Thomas Cziperle, *Option Pricing Models and Delta Hedging Strategies*, University of Notre Dame, spring 2014
- Directed Master's Project, ACMS, University of Notre Dame
  - Joseph Fallon, *Delta Hedging in the Black-Scholes Environment*, University of Notre Dame, spring 2014
  - Robert Crow, *Delta Hedging-Literature Review and Model Simulation*, University of Notre Dame, spring 2014

Presentations

'GenAI in Higher Education: Balancing Assistance and Integrity', INFORMS' annual conference, 2025
'Mid-Career Job Turmoil? Maintaining Teaching Positions', Panelist for Committee on Teaching and Learning (CTL) Teaching Excellence and Networking (TEN) Workshop, INFORMS' annual conference, 2025

Conference's Early Career Teachers' Network, INFORMS' annual conference, 2024

Provost Initiative's Learning Lighting Talks, University of Notre Dame, 2021

ACMS's graduate student seminar, University of Notre Dame, October 2019. Personal Finance Touch Up: Things I wish I knew when I was a (grad)student.

Investment Club, University of Notre Dame, April 2013. Introduction to Options Trading.

Scientia's 'Talk Science!', Undergraduate Journal Of Scientific Research, University of Notre Dame, November 2012. Statistical Applications in Biological Diversity Measurement and

Stock-Option Trading.

Graduate Student Probability Conference, Georgia Institute of Technology, May 2012. Asymptotic Distribution of Multinomial Maximum with an Increasing Number of Classes and Applications to Biological Diversity.

Math Talk, Kennesaw State University, April 2010. The Asymptotics of Longest Increasing Subsequence for Finite Alphabets.

Southeast SIAM student conference, Georgia Institute of Technology, March 2010. Simulation Study of Longest Increasing Subsequence for Finite Alphabets.

SIAM student seminar, Georgia Institute of Technology, November 2009. Longest Increasing Subsequence for Finite Alphabets.

Math student seminar, Georgia Institute of Technology, March 2009. Longest Increasing Subsequence for Finite Alphabets- The uniform case.

Listed below are student posters and presentations under H. Huynh's supervision
Krumdick, Melissa*, H. Huynh. An Analysis of Volatility-Based Option Trading Strategies. ACC Meeting of the Minds, Syracuse University, Apr 2016.

Krumdick, Melissa*, H. Huynh. Alternative Estimators for Stock Volatility. Scientia - Undergraduate Journal of Scientific, University of Notre Dame, Feb 2016.

Xie, Yijun*, H. Huynh. Volatility Estimation and Applications in Stock Options Trading Decisions. College of Science Joint Annual Meeting, University of Notre Dame, May 2015

Cziperle, Thomas*, H. Huynh. Option Pricing Models and Delta Hedging Strategies, College of Science Joint Annual Meeting, University of Notre Dame, May 2014

(* indicates Huynh's students)