

Yonas Lemma

yonas.lemma@untDallas.edu

EDUCATION: University of North Texas, Denton, Texas

Doctor of Philosophy (PhD Candidate)

In progress

The University of Texas at Dallas, Richardson, Texas

Doctor of Philosophy in Economics

core courses completed & voluntarily withdrawn.

Master of Science in Mathematical Science (Statistics) – GPA: 3.6

May 2013

Master of Science in Economics – GPA: 4.0

May 2012

Bachelor of Science in Economics-GPA: 3.8

May 2011

Universidad Antonio De Nebrija, Madrid, Spain

Certificate in European Studies and Spanish

July 2011

Teaching EXPERIENCE

Full-time Lecturer of Decision Sciences University of North Texas-Dallas, TX

January 1, 2022-Present

Adjunct Faculty University of North Texas-Dallas -School of Business

August 27,2018-Dec.2021

- DSCI 2305-Business Statistics I
- DSCI 3305-Business Statistics II
- DSCI 2710-Data analysis with spreadsheet
- DSCI 3710-Business Statistics with spreadsheet
- ECON 4850-International Trade Theory/International Economics
- ECON 3560-Intermediate Macro-Economics
- ECON 1100-Principle of Micro-Economics
- Econ 4020-Money & Financial Institutions
- DSCI 3310-Data Interpretation & Storytelling
- DSCI 3320-Data Visualization
- DSCI 3340-Marketing analytics with Big Data

Associate Faculty Collin County Community College, Plano, TX

August 26, 2013- May 2022

- Math 1342-Introductory Statistics
- Math 1324-Mathematics for Business & Social sciences
- Math 1325-Calculus for Business & Social sciences
- Math 1314-College algebra
- Math 1414-College algebra with extensions
- Math 0450 – Mathematical Foundation
- NBCM 002A- Developmental Refresher Mathematics
- Econ 2301-Principles of Micro-Economics
- Econ 1301-Introduction to Economics

Adjunct Faculty Dallas County Community College, Dallas, TX

Jan.2014- Dec.2020

- Math 2342-Elementary Statistical Methods
- Econ 2301-Principles of Micro-Economics
- Econ 2302- Principles of Macroeconomics
- Math 1314-College Algebra
- DMAT 0315-Developmental Mathematics Algebra Support
- DMAT 0317-Developmental Mathematics Non-Algebra Support
- Math 1332- Contemporary Mathematics (Quantitative Reasoning)

Industry EXPERIENCE

Research Intern Dallas Regional Chamber, Dallas, Texas

April 04, 2011 - May 31, 2012

- Worked on Collection, analysis, and input of primary and secondary information pertinent to economic development and headquarters recruitment.
- Formulated scripts to perform data cleansing, parsing and Query data manipulation.
- Worked on development of models that are helpful to the business community in the Dallas area.

- Assured quality and appropriate software installation.
- Worked on product configuration.
- Led a line of more than 15 people.

COMPUTER PROGRAMMING | OTHER SKILLS

- Python , Jupiter notebook, MATLAB, R, SQL, Tableau, SAS, Stata, Mathematica, Minitab, Arc Map/GIS, Geoda, Tax slayer Pro, Merlin, Gene hunter & Dynare, Google-colab.
- Data visualization, Project Management, Teamwork, Communication, MS-word, Excel, Access, power point, SharePoint.

AWARDS/Nominations

- Certificate for academic excellence from Delta Epsilon Iota -National academic honors society
- Nominated as Student leader of the year
- Dean's outstanding student's list
- Performance Merit Award UNT Dallas
- Nominated for UN Geneva's student conference
- Selden & level scholarship Award
- Institutional grant award (UT-Dallas)
- Faculty Travel fund award(UNT Dallas)
- UNT employee Tuition benefit scholarship

Activities

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| ○ Vice President and founding member-Able Mindset-Organization to help the disabled | 2021-present |
| ○ President for UT-Dallas Ethiopian and Eritrean students association | 2012-2013 |
| ○ Vice president for UT-Dallas African students Union | 2011-2012 |
| ○ Committee member for SUAAB (student union activities & advisory board) | 2012-2013 |

SELECTED GRADUATE SCHOOL COURSES TAKEN

Statistics Department

- Math 5301-Applied Mathematical Analysis
- STAT 6337-Advanced Statistical Methods I
- STAT 6338-Advanced Statistical Methods II
- STAT 6347-Applied Time series analysis
- STAT 6331-Statistical Inference I
- STAT 5351-Probability & Statistics I
- STAT 6390-Topics in Statistics-Statistical Methods in Genetic Epidemiology
- STAT 7330-Decision Theory & Bayesian Inference

Business & Economics Department

- ECON 6309-ECONOMETRICS I
- ECON 6344-TRANSFER PRICING
- ECON 6306-APPLIED ECONOMETRICS
- ECON 7V02-RESEARCH IN ECONOMICS
- ECON 6305- MATHEMATICAL ECONOMICS
- ECON 6V0- INDEPENDENT STUDY
- Econ 6316-SPATIAL ECONOMETRICS – SPATIAL STATISTICS
- ECON 7309-ECONOMETRICS II
- ECON 6301-MICROECONOMICS THEORY I
- ECON 6302-MACROECONOMICS THEORY I
- ECON 7301-MICROECONOMICS THEORY II
- ECON 7302-MACROECONOMICS THEORY II
- MECO 6303-MANAGERIAL ECONOMICS

Data Science Department

- DSCI 5360-Data visualization for Analytics
- DTSC 5501- Fundamentals of data science & data analytics
- DTSC 5505- Applied Machine Learning for Data Scientists
- CSCE 5214- Software development for Artificial Intelligence
- DTSC 5502- Principles & Techniques for Data Science
- DSCI 5350- Big Data Analytics
- INFO 5500- Knowledge Management
- INFO 6000- Seminar in Information Science
- INFO 6940- Research Design and Methodology
- INFO 6700-Seminar in Communication & Use of Information
- INFO 6660- Readings in Information Science
- DTSC 5777- Virtual Reality & Its Applications
- INFO 6945- Doctoral Seminar in Information Issues.
- INFO 6950- Doctoral Dissertation

Learning Management Tools and other experience

- Blackboard Learning Management systems. ○
- Canvas
- Pearson Education
- McGraw-Hill Education
- Sapling
- Hawkes learning system
- Cengage

CERTIFICATES

PYTHON FOR DATA SCIENCE-Verified certificate by IBM

- Python Basics
- Python Data structure
- Python Programming fundamentals
- Working with Data in Python
- Application program interface and Data collection
- Data preparation and Interpretation
- Encoding data and software development
- Working with Supervised and Unsupervised algorithms
- Modeling by clustering
- Capstone Project

SQL FOR DATA SCIENCE WITH R -Verified certificate by IBM

- Introduction to Relational Databases and Tables
- Intermediate SQL
- Database with R
- Working with Database objects using R
- Course Project

ONLINE TEACHING CERTIFICATIONS

- Certified to teach online at Collin College.
- Certified to teach online at Dallas College (Richland)
- Certified to teach online at UNT Dallas

PUBLICATIONS

- Title: Time Series, Cross-Sectional and Spatial Analysis of US Poverty and Income Inequality
- Published on: American Journal of Advanced Research, vol.6-1
- Published date: July 16, 2022,
- Pages: 01-10

CONFERENCE PRESENTATIONS

International Conference on Management, Leadership and Business Intelligence (ICMLBI '22) 2022

- Institute of Innovation and Business Intelligence
- Paper Presented- Yonas, Lemma-Time Series, Cross-Sectional and Spatial Analysis of US Poverty and Income Inequality
- Presentation date: April 01, 2022

The 2023 International Conference of Advanced Research in Applied Science, Engineering and Technology (ICARASET '23)-space center-Houston

- Paper Presented-Yonas Lemma, Korani Wael, Kavya Kasthuri Dodle, Komal Bhamra, Sadam Al Qadi Vijayakumar Munirathinam-Artificial neural network for emotion recognition using face detection.
- Presentation date: March 31,2023