

GABRIEL APPAU ABEYIE

Cherokee Mills 2280 Sutherland Ave., Suite 228 Knoxville, TN 37919

Tel: (+1) 940-368-0576 ◊ Email: gabeyie@vols.utk.edu ◊ Web: [Gabriel Abeyie](#)

EDUCATION

- | | |
|--|---------------------|
| University of Tennessee , Knoxville.
<i>Doctor of Philosophy (Ph.D)</i> , Economics | Aug 2020 - May 2025 |
| University of North Texas , Denton.
<i>Master of Science (MS)</i> , Economics | Aug 2018 - May 2020 |
| University of Ghana , Accra, Ghana.
<i>Bachelor of Arts (BA)</i> , Economics & Statistics, Double Major. | Aug 2013 - May 2017 |

RESEARCH INTERESTS

- Macroeconomics
- Time Series Forecasting
- Machine Learning
- International Finance

RESEARCH

Job Market Paper

Identifying OPEC News Shocks: The Impact of OPEC Announcements Using Textual Data

[Working Paper](#)

Working Paper

Beyond News Headlines and TF-IDF: Enhancing Text-Based Forecasting Models with Validated Collocations and Improved Attention. (**Reject & Resubmit; revisions submitted to *International Journal of Forecasting***)

[Working Paper](#)

Works In Progress

- Forecasting Crude Oil Price Returns: A Principal Weighted-Elastic Net (PW-EN) Approach (with Andrew Hanson)
- Welfare Implications of Bubble Dynamics (with Andrew Hanson)
- A Regularized Scaled-Sliced Inverse Regression (REGs-SIR) for High Dimensional Data
- The Role of Expert Opinion and Analysis in the Crude Oil Market

TEACHING

Independent Instructor

Aug 2022 - Dec 2022

University of Tennessee, *Principles of Macroeconomics* (4.1/5 Evaluation)

- Instructed a class of 100 undergraduate students.
- Developed course lectures, assignments, and quizzes.
- Graded assignments and held regular office hours.

- Teaching Fellow (Independent Instructor)** **Jan 2020 - May 2020**
 University of North Texas, *Principles of Macroeconomics* (4.6/5 Evaluation)
 • Led a class of 47 undergraduate students.
 • Created lecture materials, assignments, and assessments.
 • Graded coursework and maintained regular office hours.
- Teaching Fellow (Independent Instructor)** **Aug 2019 - Dec 2019**
 University of North Texas, *Principles of Macroeconomics* (3.9/5 Evaluation)
 • Taught a class of 48 undergraduate students.
 • Prepared lecture content and evaluated student performance.
 • Graded assignments and held regular office hours.
- Graduate Teaching Assistant/Recitation Instructor** **Jan 2020 - May 2020**
 University of North Texas, *Advanced Econometrics* (PhD coursework)
 • Conducted tutorial sessions for first-year PhD students.
 • Graded assignments and managed course grading.
- Graduate Teaching Assistant/Recitation Instructor** **Aug 2019 - Dec 2019**
 University of North Texas, *Mathematical Economics* (PhD coursework)
 • Led tutorial sessions for first-year PhD students.
 • Assisted with homework preparation and grading.
 • Managed course grading records.
- Graduate Teaching Assistant** **Jan 2019 - May 2019**
 University of North Texas, *Public Economics*
 • Assisted students with homework and exam preparation.
- Graduate Teaching Assistant** **Aug 2021 2019 - May 2023**
 University of Tennessee, Knoxville *Intermediate Macroeconomics*
 • Assisted with homework preparation and grading.
 • Managed course grading records.
- Academic Assistant** **Aug 2018 - July 2019**
 University of North Texas, *Principles of Microeconomics & Macroeconomics*
 • Provided homework and exam assistance to students.
 • Graded assignments and quizzes.
 • Monitored exams and maintained grading records.

PRESENTATIONS

- University of Tennessee, Knoxville.**, Economics Brown Bag Seminar Series Fall 2021
Welfare Implications of Bubble Dynamics
- Southern Econ. Assoc.**, 92nd Annual Conference, Fort Lauderdale, FL. November 19-21, 2022
Welfare Implications of Bubble Dynamics
- University of Tennessee, Knoxville.**, Economics Brown Bag Seminar Series Fall 2023
Identifying Oil Supply News Shocks: The Impact of OPEC Announcements Using Textual Data

University of Tennessee, Knoxville., Economics Brown Bag Seminar Series Fall 2024
Forecasting Crude Oil Price Returns: A Principal Weighted-Elastic Net (PW-EN) Approach

Southern Econ. Assoc., 94th Annual Conference, Washington, DC. November 23-25, 2024
1. *Identifying OPEC News Shocks: The Impact of OPEC Announcements Using Textual Data*
2. *Beyond News Headlines and TF-IDF: Enhancing Text-Based Forecasting Models with Validated Collocations and Improved Attention.*

AWARDS AND SCHOLARSHIPS

Aaron Wuensch Memorial Scholarship for the Top Graduate Student Award University of North Texas, Department of Economics.	April 2019
J. Fred and Wilma Holly Fellowship University of Tennessee, Department of Economics.	Aug 2020 - May 2025
Texas Public Education Grant (TPEG) Division of International Affairs, University of North Texas.	Aug 2019
Toulouse Graduate Scholarship Toulouse Graduate School, University of North Texas.	Aug 2019
Mary D. Walsh Endowed Scholarship Toulouse Graduate School, University of North Texas.	April 2019
Toulouse Graduate Scholarship Toulouse Graduate School, University of North Texas.	Jan 2019

SKILLS

Programming Languages: Python, R, MATLAB, STATA

MEMBERSHIPS

- American Economic Association
- International Institute of Forecasters
- Southern Economic Association

REFERENCES

Andrew S. Hanson, PhD
Department of Economics
University of Tennessee, KN
ahanson8@utk.edu

Luiz R. Lima, PhD
Department of Economics
University of Tennessee, KN
llima@utk.edu

Mohammed Mohsin, PhD
Department of Economics
University of Tennessee, KN
mmohsin@utk.edu

Haileab Hilafu, PhD
Department of Bus. Anl./Stats
University of Tennessee, KN
hhilafu@utk.edu

Margie A. Tieslau, PhD
Department of Economics
University of North Texas, DN
Margie.Tieslau@unt.edu