

GABRIEL APPAU ABEYIE

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CURRENT POSITION

Assistant Professor of Economics Aug 2025 - Present
University of North Carolina Wilmington
Cameron School of Business
Department of Economics & Finance

EDUCATION

University of Tennessee, Knoxville Aug 2020 - May 2025
Doctor of Philosophy (Ph.D), Economics

University of North Texas, Denton Aug 2018 - May 2020
Master of Science (MS), Economics

University of Ghana, Accra, Ghana Aug 2013 - May 2017
Bachelor of Arts (BA), Economics & Statistics, Double Major

RESEARCH INTERESTS

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

RESEARCH

Publications

Beyond News Headlines and TF-IDF: Enhancing Text-Based Forecasting Models with Validated Collocations and Improved Attention.

International Journal of Forecasting

[Published Version](#) | [Working Paper](#) | [Data & Codes](#)

Working Paper

- Identifying OPEC News Shocks: The Impact of OPEC Announcements Using Textual Data (with A. Hanson)
[Working Paper](#)
- When Do Markets React? Heterogeneous Timing in Oil Inventory Announcement Responses

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

University of North Carolina Wilmington (2024–Present)

Assistant Professor of Economics

- **Principles of Macroeconomics (ECN 222)** — Fall 2025 (2 sections; 108 students total)
- **Principles of Macroeconomics (ECN 222)** — Spring 2026 (scheduled)
- **Intermediate Macroeconomics (ECN 322)** — Spring 2026 (scheduled)

Independent Instructor

- University of Tennessee (Fall 2022) — *Principles of Macroeconomics* (Evaluation: 4.1/5)
- University of North Texas (Spring 2020) — *Principles of Macroeconomics* (Evaluation: 4.6/5)
- University of North Texas (Fall 2019) — *Principles of Macroeconomics* (Evaluation: 3.9/5)

Graduate Teaching Assistant / Recitation Instructor

- University of Tennessee (2021–2023) — *Intermediate Macroeconomics*
- University of North Texas (2019–2020) — *Advanced Econometrics (PhD)*, *Mathematical Economics (PhD)*, *Public Economics*
- University of North Texas (2018–2019) — *Principles of Microeconomics & Macroeconomics*

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** April 2019
University of North Texas, Department of Economics.

J. Fred and Wilma Holly Fellowship Aug 2020 - May 2025
University of Tennessee, Department of Economics.

Texas Public Education Grant (TPEG) Aug 2019
Division of International Affairs, University of North Texas.

Toulouse Graduate Scholarship Aug 2019
Toulouse Graduate School, University of North Texas.

Mary D. Walsh Endowed Scholarship April 2019
Toulouse Graduate School, University of North Texas.

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
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Margie A. Tieslau, PhD
Department of Economics
University of North Texas, DN
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Department of Bus. Anl./Stats
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