

Ndackyssa Oyima-Antseleve

Richardson, Texas, 75082 | nxo160430@utdallas.edu | <https://ndackyssa.com>

EDUCATION

The University of Texas at Dallas <i>PhD Candidate in Management Science, Finance</i>	Richardson, Texas <i>Expected May 2024</i>
The University of Texas at Dallas <i>Master of Science, Finance</i>	Richardson, Texas <i>May 2018</i>
Texas Tech University <i>Bachelor of Business Administration, Finance</i>	Lubbock, Texas <i>May 2016</i>
Texas Tech University <i>Bachelor of Science, Petroleum Engineering</i>	Lubbock, Texas <i>May 2016</i>

RESEARCH INTEREST

Corporate Governance, Cyber Risk, Fintech, Financial Inclusion, Big Data

PUBLICATIONS & WORKING PAPERS

Ahead of the Breach: Anticipatory Approaches to Mitigating Ex-post Costs of Cyber Breaches: This study critically evaluates the proactive cybersecurity strategies of managers in publicly traded companies, leveraging a unique dataset of actual cybersecurity risk measures from a leading cybersecurity scores company. I find that managers exhibit an awareness of their cybersecurity risks and engage in preemptive actions to either enhance their cyber defenses, acquire cyber insurance, or increase cash reserves before a breach or some combination of these actions. This investigation reveals that while some firms bolster their cyber defenses, others opt for cyber insurance and increased cash reserves as precautionary measures. The findings indicate that cyber insurance is not complementing but rather substituting for investment in cyber defense mechanisms. This substitution raises concerns about the cyber insurance market's adverse selection and moral hazard problems.

Cyber Risk and Inventory Management: This research examines the effects of data breaches on corporate sales and inventory management strategies. It presents evidence that such breaches negatively impact a firm's sales. In anticipation of these adverse outcomes, firms seem to strategically lower their inventory levels prior to a breach to mitigate the costs associated with excess stock. The findings indicate a deliberate reduction in inventory investments as a precaution against a potential data breach. Moreover, it is observed that firms do not significantly alter their inventory strategies post-breach, suggesting a form of preemptive hedging against the inventory-related risks of cyber incidents. This study sheds light on the proactive measures firms take in managing inventory in the face of cybersecurity threats, underscoring the wider operational ramifications of managing cyber risks.

Expectations, Data Breaches, and Shareholder Wealth: In this study, I investigate the stock market's reactions to corporate data breach announcements, focusing on the previously neglected role of market expectations. Empirical findings indicate that breaches surpassing anticipated severities elicit notably negative stock market responses. Additionally, these market reactions correlate significantly with subsequent drops in firm sales. This suggests that market anticipations, influenced by the unexpected severity of breaches, serve as a predictive indicator of the forthcoming reputational damages firms face after a breach.

Breaking the Chains: The Role of Financial Inclusion and Development in Combating Modern Slavery and Human Trafficking: This study presents novel empirical evidence on the causal association between financial development, financial inclusion, modern slavery, and human trafficking. Adopting a macro-level perspective, its findings demonstrate that a 1 % unit increase in the financial development index score and financial institution access index score leads to a 1.471% and 2.103% reduction in the prevalence of modern slavery, respectively. Additionally, this study highlights that enhanced accessibility to financial institutions is associated with a decrease in the number of trafficked individuals, particularly among men and women subjected to sexual exploitation.

WORK IN PROGRESS

Crypto Risk in Banking (Hengguo Da, Ndackyssa Oyima): Cryptocurrencies, propelled by blockchain technology, have become significant in the financial landscape due to their decentralized nature and lower transaction costs. Yet, market volatility during the pandemic and events like the FTX platform collapse have spotlighted potential risks. With regulators like the SEC and FED wary of crypto risks spilling into traditional banking - the backbone of the

US economy - we investigate: Are banks truly vulnerable to cryptocurrency risks? Do closer ties with cryptocurrencies amplify systemic financial risk? Our study analyzes the ripple effects of banks' crypto affiliations on systemic risk. Our key contributions include a novel measure of individual bank exposure to cryptocurrency and exploring whether such exposure heightens systemic risk.

Blockchain Security Risks (Michael Lewellen, Ndackyssa Oyima): Security flaws in blockchain software present a concern often overlooked in the literature on blockchains. We study examples of these flaws to understand how they might be mitigated.

CONFERENCE PRESENTATIONS

Chicago Rising Scholars 2022 : Ahead of the Breach: Anticipatory Approaches to Mitigating Ex-post Costs of Cyber Breaches

Poster session - AFA 2024: Ahead of the Breach: Anticipatory Approaches to Mitigating Ex-post Costs of Cyber Breaches

TEACHING EXPERIENCE

University of Texas at Dallas Richardson, Texas

Graduate Teaching Assistant

- Applied Econometrics and Time series Analysis MECO (6312) Fall 2018, Spring 2019, Fall 2021
- Business in a Global World BA (1320) Spring 2021, Summer 2021
- Analytics of Finance FIN (6318) Fall 2022, Spring 2023
- Mathematical Methods of Finance FIN (6307) Spring 2019, Fall 2021
- Financial Management FIN (6301) Summer 2021
- Intermediate Financial Management FIN (4310) Summer 2021, Fall 2020

University of Texas at Dallas Richardson, Texas

Teaching Associate

- Investment Management FIN (4300) Spring 2022
- Investment Management FIN (4300) Summer 2022
- Investment Management FIN (4300) Summer 2023
- Intermediate Financial Management FIN (4310) Fall 2023

SKILLS

Programming: R, Python, SAS, JavaScript, Advanced SQL, Bash, C#, Java, STATA

Analysis Tools: SAS Enterprise Miner, MS Excel, MS Word, MS Access, Power BI, AWS QuickSight

Databases: DB2, SQL Server, MS Access, PostgreSQL

Operating Systems: UNIX, Windows

Environment: Docker, Kubernetes, AWS, Shell Scripting

AWARDS AND ACHIEVEMENTS

UT Dallas Graduate Studies Scholarship Fall 2018- Present

GARP Research Fellowship Fall 2017

UT Dallas David Springate Scholarship Fall 2017

Scholarship Jack Teddle January 2014

Scholarship Business Administration Smith August 2015-May 2016

Scholarship Business Administration Smith August 2012-May 2013

REFERENCES

Robert Kieschnick, PhD (Dissertation Chair)

(972) 883-6273

Director, MS in Financial Technology and Analytics, University of Texas at Dallas

robert.kieschnick@utdallas.edu

Umit Gurun, PhD

(972) 883-5917

Stan Liebowitz Professor of Accounting, University of Texas at Dallas

umit.gurun@utdallas.edu

Nina Baranchuk, PhD

(972) 883 4771

Associate Professor, Finance and Managerial Economics, University of Texas at Dallas

nina.baranchuk@utdallas.edu