

# KAYODE NELSON ADENIJI

Phone: 252-258-4949 [E-mail](#) | [LinkedIn](#)

## EDUCATION

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### Degrees

- 2023-pres **Ph.D.**, East Carolina University, Integrated Coastal Science
- 2023 **MS.**, East Carolina University, Geography
- 2020 **MSc.**, University of Ibadan, Urban and Regional Planning
- 2016 **BSc.**, Osun State University, Urban and Regional Planning

### Certificates

- 2023 East Carolina University, Geographic Information Science and Technology
- 2023 Correlation One, Data Science for All Empowerment
- 2023 ESRI, Python for Everyone

## PUBLICATIONS

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- **Adeniji, K.N.**, Mukherji, A., Curtis, S., Helgeson, J., Kruse, J.K., & Ghosh, A. (In Preparation). Buyout program governance in eastern North Carolina.
- Mukherji, A., **Adeniji, K.N.**, Curtis, S., Helgeson, J., Kruse, J.K., & Ghosh, A. (Under Review). Health hazards: Impacts of compound coastal water events in eastern North Carolina.
- Curtis, S., Mukherji, A., Kruse, J., Helgeson, J., Ghosh, A., & **Adeniji, N.** (2022). Perceptions of risk to compound coastal water events: A case study in Eastern North Carolina, USA. *Progress in Disaster Science*, 100266. <https://doi.org/10.1016/j.pdisas.2022.100266>
- Popoola A.A, Adeleye, B.M., **Adeniji, K.N.**, Babalola, T.O., and Magidimisha-Chipungu, H.H. (2022). Indicators for disaster vulnerability to the overflowing of the Niger river in adjoining settlements in the confluence city of Lokoja, Nigeria. *Disaster Advances*, 15(2).
- Otokiti, K., Akinola, O., **Adeniji, K.** (2020). Geospatial mapping of flood risk in the coastal megacity of Nigeria. *American Journal of Geophysics, Geochemistry, and Geosystems*. 5(4), 129-138.
- Otokiti, K., Onibaba, P., **Adeniji, K.N.**, Akinola, O., Adesina, O.S., Olawuni, D., Oladipupo, B.O. (2020). Spatiotemporal dynamics of agricultural land loss in Offa LGA: implications for food security. *World Academics Journal of Management*, 8(2), 12-17.
- Famewo, A., **Adeniji, K.**, Onibaba, P., Osunwale, O. (2020). Impact analysis of ban of commercial motorcycle on commuters in the University of Ibadan campus. *Developing Country Studies*. 10(6), 2020

## CONFERENCE PRESENTATIONS

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**Adeniji, K.N.**, Mukherji, A. (2023). Impact of Buyout Programs on Land Use Patterns in the Special Flood Hazard Area of Pitt County, North Carolina. Paper Presentation at the

*Urban Affairs Association 51st annual conference, Nashville, Tennessee. April 26-29, 2023.*

### Upcoming Presentation

**Kayode Adeniji**, Anuradha Mukherji, Scott Curtis, Jamie Kruse, Jennifer Helgeson, Ausmita Ghosh, Meghan Millea. (2023). Challenges and Impacts of Buyout Programs in Eastern North Carolina. Paper Presentation at the *48th Annual Natural Hazards Research and Applications Workshop*, Broomfield, Colorado, July 12-13, 2023.

### **GRANTS AND AWARDS**

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- 2023 NSF Travel Award to the NHERI Summer Institute for Early-Career Faculty at the University of Texas at San Antonio, June 21-23, 2023, **\$1,901.00**
- 2023 ECU Department of Geography, Planning, and Environment summer grant for Thesis Completion and Publication “Impacts of Buyouts on Land Use Pattern in Pitt County, North Carolina.” 05/16/2023-06/30/2023. **\$3,763.00**
- 2022 ECU Department of Geography, Planning, and Environment summer grant for Thesis Data Collection “Impacts of Buyouts on Land Use Pattern in Pitt County, North Carolina.” 05/16/2022-06/30/2022. **\$3,375.00**

### **EXPERIENCE**

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#### **Correlation One**

2022 – 2023 Data Science for All- Empowerment

- Participated in a 14-week data science fellowship program, including acquiring various skillsets such as data wrangling and feature engineering augmented by real-world business datasets.

#### **East Carolina University**

2021-2023 Graduate Research Assistant

- Conducted qualitative data coding and analysis from focused group discussions of compound flooding stakeholders to develop common themes and disaster recovery challenges.
- Conducted various geospatial data analyses, including hotspot analysis, to understand the spatial distribution of hog farms to determine flood vulnerability.
- Reviewed literature to understand structural and non-structural mitigating measures to compound flooding.
- Geocoded spatial coordinates of agricultural facilities to identify spatial relationships
- Collaborated with primary investigators to publish the results of the analyzed stakeholders’ dataset

#### **Metronome Consults & Services Limited.**

2020-2021 GIS Analyst II

- Georeferenced aerial imageries for data extraction and geodatabase development.
- Developed parcel information system in a geodatabase.

- Worked closely with field data collectors to update ground truthing observed data into a geodatabase

**Kings' Meridian Survey.**

2016-2017 Urban Planner/Cartographer

- Designed neighborhood layouts and site plans for clients
- Carried out environmental impact assessments for proposed physical development.

**TECHNICAL SKILLS**

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Programming languages: Python | SQL |

Software: Microsoft Office Suite | ArcGIS Pro | AutoCAD 2D | ArcMap | ArcGIS Online |

Libraries and Packages: Jupyter| Pandas| Notebook| Matplotlib| Bokeh| Numpy | Tableau| Folium

**VIRTUAL CONFERENCES ATTENDEE**

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2021 Association of Collegiate Schools of Planning

2022 ESRI User Conference-ESRI