

AZEEZ ADEWALE HAMZAT

PhD Student in AI-facilitated Collective Intelligence
TCD-TUD Centre for Sociology of Humans and Machines (SOHAM)
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RESEARCH INTERESTS

Collective Intelligence & Group Decision-Making • Bias Mitigation in Groups and Algorithms • AI & Human Collaboration • Participatory & Structured Forecasting • Behavioral & Cognitive Science in Group Settings • Social Computing & Online Communities • Computational Social Science • Sustainability & Climate Policy • Cross-cultural Perspectives in AI Research

EDUCATION

PhD in AI-facilitated Collective Intelligence | 2025 – Present
Technological University Dublin, Ireland

- Joint program at TCD-TUD Centre for Sociology of Humans and Machines (SOHAM)
- Full doctoral fellowship (selected from 200+ global applicants)
- Focus: AI-facilitated collective intelligence and bias in group decision-making from sociological perspectives

Master in Collective Intelligence | 2020 – 2022
Mohammed VI Polytechnic University (UM6P), Morocco

- Ibn Rochd Excellence Scholarship Recipient
- Thesis: “A Community Knowledge-Based Assessment of Smallholder Farmers’ Perception of Cluster Farming and its Potential Role in Sustainable Accessibility to Farmer-Centric Support in Nigeria”
- Published as preprint (DOI: 10.5281/zenodo.7678799)

Bachelor of Technology in Crop and Environmental Protection | 2009 – 2014
Ladoke Akintola University of Technology (LAUTECH), Nigeria

- Focus: Systems thinking, environmental analysis, sustainable agricultural practices
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PROFESSIONAL EXPERIENCE

PhD Student | July 2025 – Present

Technological University Dublin, Ireland

- Conducting doctoral research on AI-facilitated collective intelligence and bias in group decision-making
- Examining sociological dimensions of human–machine interaction in collaborative contexts

Outreach Officer | March 2023 – September 2025

Africa Initiative, Mohammed VI Polytechnic University (UM6P), Morocco

- Facilitated sustainable development initiatives across Africa through 50+ strategic partnerships
- Organized 25+ high-level events with government officials, academic institutions, and NGOs
- Coordinated brainstorming sessions and collaborative workshops for international partnerships
- Produced 100+ weekly newsletters and maintained departmental websites

Research Intern | February 2022 – August 2022

OCP Africa, Morocco

- Conducted empirical research on farmer decision-making under uncertainty
- Analyzed agricultural extension systems using quantitative methods
- Developed stakeholder mapping protocols and contributed to policy recommendations

Note-Taker & Technical Support Specialist | September 2021 – December 2021

Innovation for Policy Foundation (i4Policy)

- Assisted in policy foresight research and tracked Delphi-like participatory policy discussions

Packaging Supervisor | September 2017 – January 2021

Olam International, Nigeria

- Managed grain packaging operations; supervised 15+ staff across multiple shifts
 - Implemented process improvements reducing waste by 12%
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PUBLICATIONS & RESEARCH OUTPUT

Preprints

Hamzat, A.A. (2022). *A Community Knowledge-Based Assessment of Smallholder Farmers' Perception of Cluster Farming and its Potential Role in Sustainable Accessibility to Farmer-Centric Support in Nigeria*. *Research Square* [Preprint]. <https://doi.org/10.5281/zenodo.7678799>

Works in Progress

- *Africa's Emissions Trajectory: A Global Analysis* – Analysis of emission trends across 54 African countries (data analysis phase)
 - *Modeling Misinformation's Transmission and Transformation* – Agent-based computational model of misinformation spread through social networks (early development)
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RESEARCH PROJECTS

AI-facilitated Collective Intelligence and Bias in Group Decision-Making | 2025 – Present

PhD Research, TU Dublin

- Exploring how AI systems influence collective decision-making across social contexts
- Investigating bias emergence when groups interact with AI-facilitated tools
- Examining sociological dimensions of human-machine collaboration

Community Knowledge-Based Assessment of Cluster Farming | 2022

Master's Thesis, UM6P

- Investigation of collective intelligence principles in agricultural decision-making among Nigerian smallholder farmers
- Published as preprint on Research Square

Youth Employability Program Evaluation | 2021

Randomized Controlled Trial, Morocco

- Evaluated youth employability interventions using experimental methods
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SKILLS & COMPETENCIES

Research Methods:

Quantitative (survey design, statistical analysis, experimental design, RCTs) • Qualitative (interviews, focus groups, participatory action research) • Mixed Methods • Computational (agent-based modeling, network analysis, data visualization)

Technical Skills:

Python • R • pandas • NumPy • Jupyter Notebooks • Statistical software • GitHub (basic) • Excel • Qualitative data analysis tools

Domain Expertise:

Collective Intelligence Methodologies • Participatory Research Methods • Structured Forecasting (Delphi, Scenario Planning) • Stakeholder Engagement • Cross-cultural Communication • Event Organization & Facilitation

Languages:

English (Fluent) • French (Conversational) • Yoruba (Native)

HONORS & AWARDS

Full Doctoral Fellowship | 2025

Technological University Dublin (selected from 200+ global applicants)

Ibn Rochd Excellence Scholarship | 2020 – 2022

Mohammed VI Polytechnic University (merit-based scholarship for Master's program)

SERVICE & OUTREACH

- Facilitated 50+ international partnerships across African institutions (2023–2025)
 - Organized 25+ high-level events with government officials, academics, and NGOs
 - Produced 100+ weekly newsletters for departmental communications
 - Coordinated brainstorming sessions and collaborative workshops for regional partnerships
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ACADEMIC PROFILE

Research Focus:

My research explores how artificial intelligence can facilitate collective intelligence while addressing bias in group decision-making. I bring cross-cultural perspectives informed by experiences across Nigeria, Morocco, and Ireland. My work is grounded in the sociology of technology and human-machine interaction, examining how AI systems can support collaborative thinking while being attentive to social, cognitive, and structural challenges.

Interdisciplinary Background:

My academic journey spans agricultural science, collective intelligence, and sociology of AI-enabling me to approach collective intelligence questions from multiple perspectives, combining systems thinking, collective intelligence frameworks, and sociological insights.

REFERENCES

Available upon request