ORGANIZATIONAL ARTIFICIAL INTELLIGENCE READINESS ASSESSMENT (AIRA) FRAMEWORK

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QUESTION

What are the factors that influence successful AI adoption in public orgs in emerging economies?

PROBLEM

-Orgs' struggle with adopting AI.
-Factors that influence successful adoption are largley unexplored.

LITERATURE

-Adopting and integrating AI in orgs' requires complex organizational changes including: leadership mindset, workforce, tech, systems, processes, workflows & customer interaction.
-Lack of clear & pragmatic frameworks.
-Orgs' face difficulties to move beyond AI pilots.

THEORIES

- Technology-organization-environment-Economy-Human (TOEEH) framework.
- Machine Learning Technology Readiness Levels (MLTRL)
- Data Maturity Model

GAPS IN THE LITERATURE

1. Existing frameworks often overlook detailed ML dev & integration stages.
2. Absence of in-depth exploration of AI readiness in public orgs'.
3. There's a need for real-world emirical validation of AI readiness frameworks.

MIXED METHOD APPROACH

(1) Systematic literature review (2) Semi-structured intreviews to uncover success factors (3) Quantitative surveys.

CONTRIBUTIONS

Offers a practical framework that guide orgs' on their AI transformation journey.

REFERENCES CAN BE PROVIDED UPON REQUEST.

PROPOSED AIRA FRAMEWORK

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Technological Readiness

Data; machine learning; model integration; tech infrastructure

Organizational Readiness

Strategy & Vision; Culture & Change Management; Policies & Processes; Collaboration & Communication

Environmental Readiness

Market Dynamics; Regulatory Environment; Geopolitical Stability; External Support & Collaboration

Economic Readiness

Financial Budget; Cost-benefit Analysis; International Collaboration & Aid; Economic Stability & Investment Climate

Human Readiness

Training & Development; Experience, Knowledge & Skillset; Employees Job Security Post AI Adoption; Adaptability & Attitudes