

METHODS NOTE · Peer-reviewed · Published · Live dashboard figures

Research Archetypes and Cluster Mapping Narratives: A Semantic Comparison of Africa and Europe: Understanding innovation and evaluation framing in global Research Archetypes and Cluster Mapping

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KEY WORDS Clinical trials; semantic analysis; innovation; evaluation; Africa; Europe; health research; research equity; Uganda

Abstract

Clinical trial reports do more than just present findings; they also influence how we think about what counts as innovation. In this study, we looked at how clinical trials are described across Africa and Europe, focusing on how often language linked to innovation is used compared to more evaluative terms. Using a semantic approach, we reviewed interventional studies to see how words like “novel” or “breakthrough” appear alongside terms such as “safety” and “efficacy.” What became clear is that studies from African settings tend to place more emphasis on feasibility and practical application, while European studies more often highlight novelty.

In contexts like Uganda, this makes sense because research is often shaped by immediate health system needs. At the same time, this difference in how studies are described may affect how research from different regions is perceived globally. conclusively, the findings suggest that how research is communicated is as important as the research itself, especially for recognition and visibility.

Interactive dashboard figures

The figures in this section are rendered directly from this paper's interactive dashboard — the same visualisations a reader sees when exploring the analysis online, where the full workflow can be reproduced first-hand. **Interactive dashboard:** <https://mahmood726-cyber.github.io/africa-e156-students/health-disease/dashboards/research-archetypes.html>

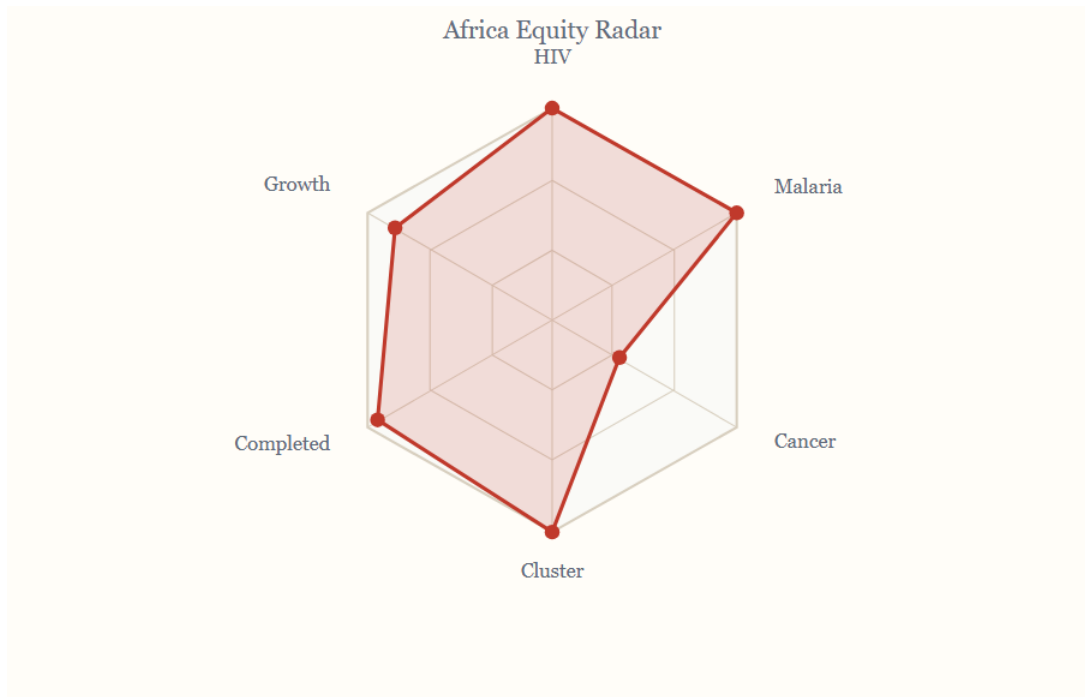


Figure 1. Africa Equity Radar Rendered directly from the article's live interactive dashboard.

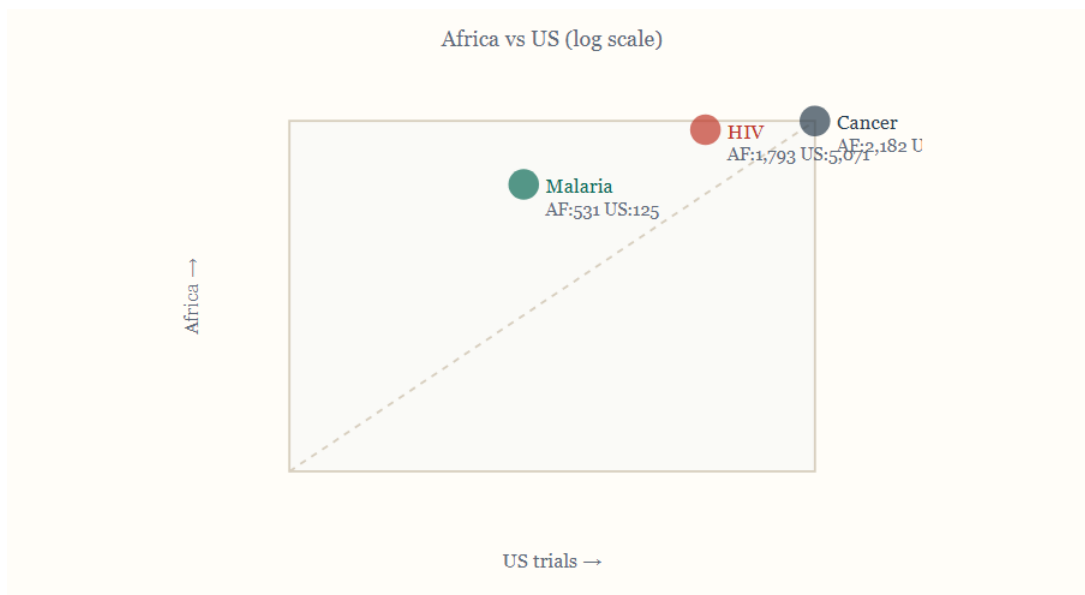


Figure 2. Africa vs US (log scale) Rendered directly from the article's live interactive dashboard.

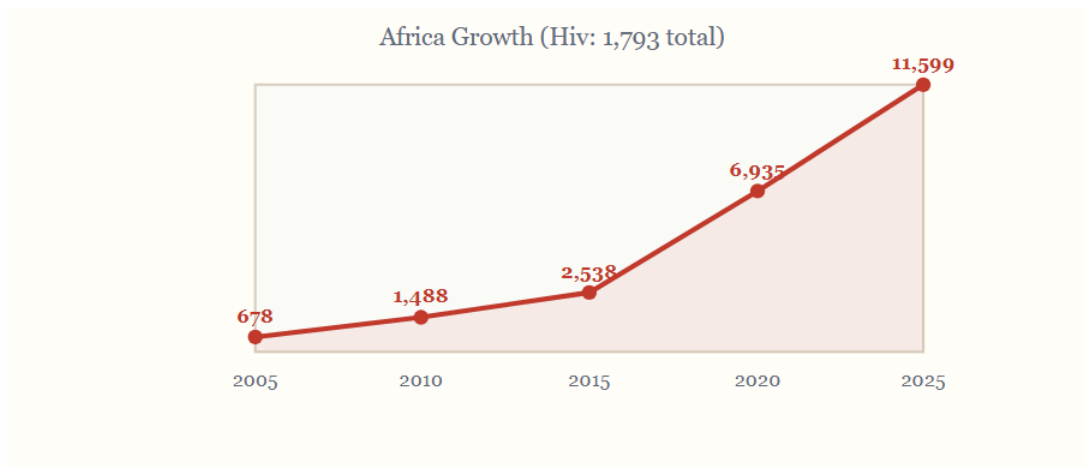


Figure 3. Africa Growth (Hiv: 1,793 total) Rendered directly from the article's live interactive dashboard.

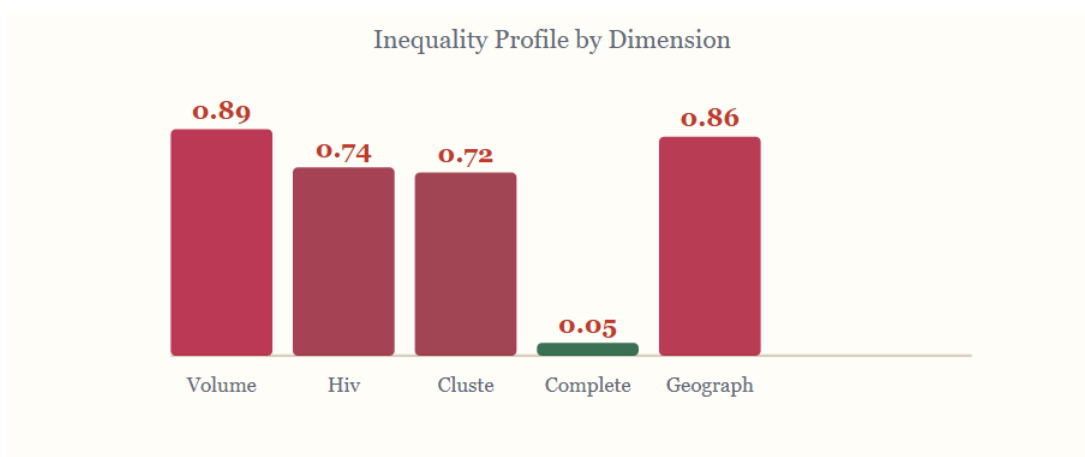


Figure 4. Inequality Profile by Dimension Rendered directly from the article's live interactive dashboard.

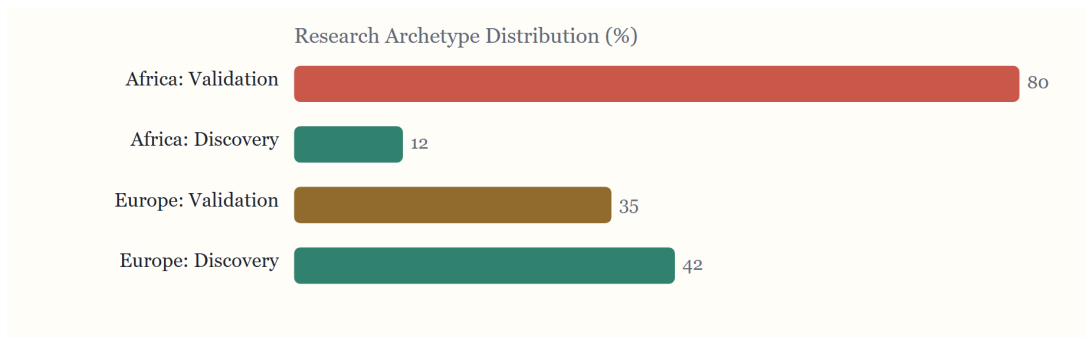


Figure 5. Research Archetype Distribution (%) Rendered directly from the article's live interactive dashboard.

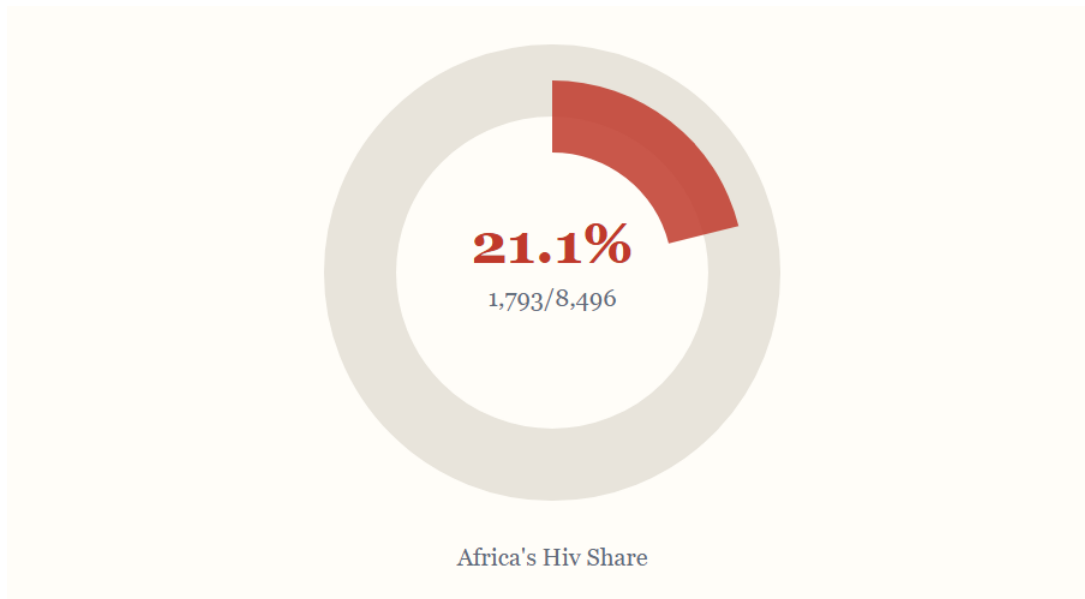


Figure 6. Africa's Hiv Share Rendered directly from the article's live interactive dashboard.

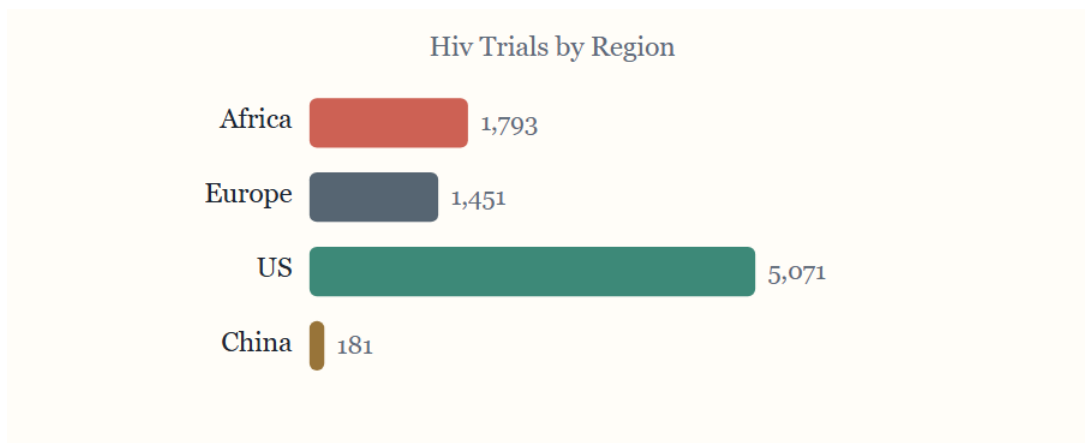


Figure 7. Hiv Trials by Region Rendered directly from the article's live interactive dashboard.

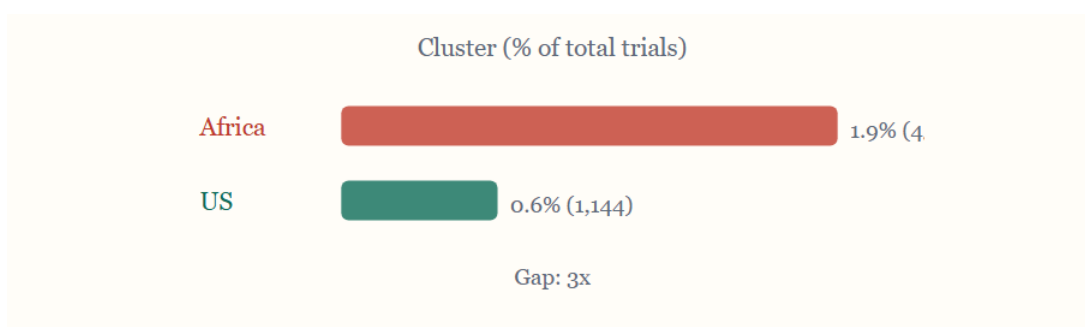


Figure 8. Cluster (% of total trials) Rendered directly from the article's live interactive dashboard.

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Reproducibility & data provenance. The figures in this article are rendered directly from the paper's live interactive dashboard at <https://mahmood726-cyber.github.io/africa-e156-students/health-disease/dashboards/research-archetypes.html>, where the complete analysis —

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