

AI as Cognitive Extension (Clark, 2025)

- Human has always been hybrid thinkers
- AI as cognitive partner, not replacement
- Risk of AI reinforcing intellectual monocultures
- Need to better design human-AI collaborations

Study of World Bank (2025) in Nigeria

- One-on-one tutoring is an effective way to boost learning
- However, it does not scale. But AI may fill in the gap
- Randomized control trial in Nigeria
- Numerous effective learning techniques can be implemented by AI

Flood of low quality papers quality papers into peer review systems (Naddaf, 2025)

- Analysis of more than 300 papers that use data from US National Health and Nutrition Examination Survey (NHANES)
- A lot of cherry picking of data
- Statistical results do not hold up to statistical scrutiny

Need to redesign our epistemic infrastructure (Yoo, 2024)

- Centralization >> decentralization
- Papers no longer act as basic unit of knowledge, but more granular components (hypothesis, methodologies, data etc.)
- Store granular components on blockchain, the whole scientific community invited to inspect
- Generative AI recombine granular knowledge components on-the-fly

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