

## Peer Review

# Review of: "Digital UAE – a platform for demographic processes management"

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This article makes a strong contribution to demographic modeling by introducing *Digital UAE*, an agent-based digital twin designed to simulate and forecast demographic processes in the UAE. The authors provide an excellent overview of demographic trends and thoughtfully construct scenario-based analyses aligned with UAE policy priorities.

- The model would benefit from a clear validation exercise (e.g., backcasting).
- No sensitivity analysis is provided—important for complex demographic systems.
- The integration of socio-cultural dynamics (e.g., shifting gender roles) could be deepened.
- The article lacks clear, actionable policy recommendations derived from the scenarios.

Overall, this is a timely and valuable study. The *Digital UAE* platform has considerable potential for public policy planning. I recommend acceptance with minor revisions focused on validation, sensitivity testing, and strengthening the policy relevance of the conclusions.

## Declarations

**Potential competing interests:** No potential competing interests to declare.