Qeios

Peer Review

Review of: "Integrating Travel Behavior Forecasting and Generative Modeling for Predicting Future Urban Mobility and Spatial Transformations"

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1. Independent researcher

Page - 1: This may sometimes result in infrastructure demolition to make room for current transportation planning demands. Comment: Paraphrase this sentence.

Page - 7: Any observation lying outside was discarded if deemed erroneous.
Finally, numeric variables were standardized via z-score scaling. Comment: Rather than discarding, why not try normalizing?

Page - 7: (Problem Formulation) past time steps. Comment: What is the number or value here?

Page - 16: (Dynamic Time Warping) Lower DTW
scores indicate better alignment between the predicted and actual time series. Comment: So, the error reduction is by how much (in terms of percent)?

Page - 19: (Result & Discussion) highest - indicating an improved predictive accuracy. Comment: Have you tried adjusted R2?

Page - 25: (Conclusion) Nonetheless, some limitations remain, including forecasting uncertainties and spatial inconsistencies, which future research can address through enhanced feature engineering and model interpretability improvements. Comments: Forecasting uncertainties - this should have been addressed with latent-space/dimension selection!

Reference: Dhanyo A, Month A, About A (2024). "An improved resnet50 model for predicting pavement condition index (PCI) directly from pavement images." Unpublished manuscript . Comment: Remove this reference!

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Declarations

Potential competing interests: No potential competing interests to declare.