## Review of: "A QGIS Grid-Based Study to Understand the Relationship Between Land Surface Temperature and Greenness in Urban Areas"

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Potential competing interests: No potential competing interests to declare.

- The paper does not appear to include advanced statistical analysis or validation of results, which are important for a high-impact journal. Quantitative validation methods, such as cross-validation or statistical significance testing, should be applied to ensure that the results of the study are scientifically rigorous. A comparison of the QGIS grid-based method with other GIS or remote sensing techniques would also strengthen the paper's contribution to the field.
- 2. The paper lacks high-quality maps or visualizations that are essential in GIS studies. Clear, well-labeled, and interpretable maps should be used to demonstrate the spatial patterns being analyzed. The maps should support the key findings of the study, and any visual tools employed within QGIS should be clearly explained and showcased.
- 3. There is little to no discussion of prior research or existing literature in the fields of remote sensing and GIS. A literature review is crucial to position the study within the broader academic discourse, highlighting how the proposed methodology compares to or builds upon existing work. Without this, the paper lacks context and may not adequately contribute to ongoing academic conversations.
- 4. The application of the study appears narrow and does not address broader or more diverse geographic, environmental, or urban challenges that could make the findings more widely applicable. Expanding the application of the methodology to different geographic regions or spatial issues would enhance the impact of the research.