

Categorical independent variables and spatial regression: interpretation and reporting

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Introduction

- While researchers have addressed some of the challenges raised by limited dependent variables in spatial regression, the interpretation of independent categorical variables has not been given much attention.
- This question appears when the spatial lag of an independent variable is included, as would typically be the case in what are known as Durbin models.
- The spatial lag is usually taken as the mean of the values of the variable at neighbouring observations for row-standardised spatial weights, or the sum for binary spatial weights, neither of which permit intuitive interpretation for categorical variables.
- Slides and source at: https://rsbivand.github.io/eqc25_talk

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Preliminary conclusions

- If

Aftermatter
