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How places influence crime: The impact of surrounding areas on neighbourhood burglary rates in a British City

Original Citation


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Table 2: AIC Scores of candidate models

<table>
<thead>
<tr>
<th>Model</th>
<th>AIC</th>
<th>ΔAIC</th>
<th>RL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 5: Spatial Error and Predictor Lag</td>
<td>23756.1</td>
<td>0.0</td>
<td>1.00</td>
</tr>
<tr>
<td>Model 2: Spatial Autoregressive Lag</td>
<td>23762.7</td>
<td>6.6</td>
<td>0.04</td>
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<tr>
<td>Model 3: Spatial Predictor Lag</td>
<td>23821.1</td>
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<td>0.00</td>
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<tr>
<td>Model 4: Spatial Error Lag</td>
<td>24475.2</td>
<td>719.1</td>
<td>0.00</td>
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<tr>
<td>Model 1: Basic ANOVA Model</td>
<td>24814.8</td>
<td>1058.7</td>
<td>0.00</td>
</tr>
</tbody>
</table>

\[
AIC = 2k - 2\log(L) \quad \text{Relative likelihood (RL)} = \exp(-\Delta AIC/2)
\]

\[
k = \text{number of parameters and } L = \text{maximised likelihood of the model}
\]