**Errata for**

*Spatial Analysis Methods and Practice: Describe-Explore-Explain through GIS* by George Grekousis

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| --- | --- | --- | --- |
|  | Page/ section | Error | Correction |
| 1 | p.22 before Example | In hot spot analysis, distance decay inverse distance should be… | In hot spot analysis, inverse distance should be… |
| 2 | p.118 Exercise 2.1 | …Save As > My\_Lab2\_SimpleESSA.mxd | …Save As > My\_Lab2\_SimpleESDA.mxd |
| 3 | p.128 Action | Missing parenthesis | …of the decimal place) |
| 4 | p.261 Exercise 4.5  | … hot spot analysis of 539 crime events… | … hot spot analysis of 768 crime events… |
| 5 | p.398. Interpretation | As the F-significance is small (3.04e-23 less than 0.05),…  | As the F-significance is small (p-value=3.04e-23 less than 0.05),… |
| 6 | p.452. bullet points  | Spatial autoregressive models model (spatial lag)Spatial filter model (spatial filtering) | Spatial autoregressive models (spatial lag)Spatial filter models (spatial filtering) |

**Equations**

p. 32. Eq. (1.9)

$Spatial Weight=\left[\begin{matrix}\begin{matrix}&A&B&C&D&E&SUM\\A&\*&0.250&0.455&0.345&0.233&1.282\\B&0.250&\*&0.244&0.400&0.238&1.132\\C&0.455&0.244&\*&0.417&0.385&1.500\\D&0.345&0.400&0.417&\*&0.526&1.688\\E&0.233&0.238&0.385&0.526&\*&1.382\end{matrix}\end{matrix}\right]$ (1.9)

p. 32. Eq. (1.10)

$Standardized Spatial Weight=\left[\begin{matrix}\begin{matrix}&A&B&C&D&E&SUM\\A&\*&0.195&0.355&0.269&0.181&1\\B&0.221&\*&0.215&0.353&0.210&1\\C&0.303&0.163&\*&0.278&0.256&1\\D&0.204&0.237&0.247&\*&0.312&1\\E&0.168&0.172&0.278&0.381&\*&1\\SUM&0.897&0.767&1.095&1.281&0.960&\end{matrix}\end{matrix}\right]$ (1.10)