

# Errata

## *Spatial Point Patterns: Methodology and Applications with R* Baddeley, Rubak and Turner

1. Page 67, line 3 from bottom: In recent versions of the software, `package="spatstat"` needs to be replaced by `package="spatstat.data"`.
2. Page 68, line 4: likewise.
3. Page 68, line 6 from bottom: likewise.
4. Page 115, line 4 from bottom: the code should read

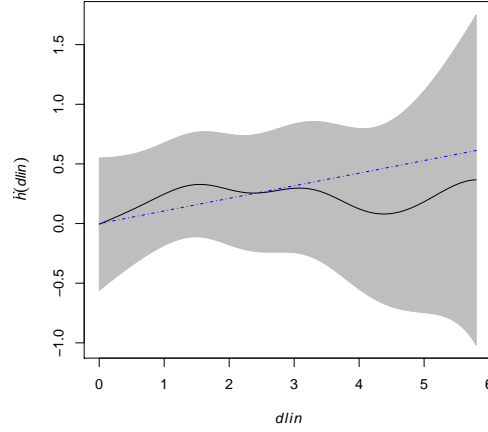
```
> Y <- eval.im(Z + 10)
```

5. Page 169, equation (6.9), the edge correction that we called “Diggle’s correction” was first proposed by Jones (1993) and should be called the “Jones-Diggle correction”. See also Diggle (2010), equation (18.9).
  - Diggle, P.J. (2010) Nonparametric methods. Chapter 18, pp. 299–316 in A.E. Gelfand, P.J. Diggle, M. Fuentes and P. Guttorp (eds.) *Handbook of Spatial Statistics*, CRC Press.
  - Jones, M.C. (1993) Simple boundary corrections for kernel density estimation. *Statistics and Computing* **3**, 135–146.
6. Page 191, line 14: website `statscan.org` should read `satscan.org`
7. Page 261, line 2 of text: `tile.index` should be `tileindex`.
8. Page 308, Figure 9.3 caption: in the caption for the right panel, the name `code` should be `fit`.
9. Page 325, line 6–7 from bottom: the estimates of the coefficients in (9.27) are  $\mu = -6.0184$ ,  $\beta = -0.2047$ ,  $\alpha_{\text{FALSE}} = 0$ ,  $\alpha_{\text{TRUE}} = 2.0013$ ,  $\gamma_{\text{FALSE}} = 0$  and  $\gamma_{\text{TRUE}} = 0.1674$ .
10. Page 344, lines 6–7:  $\boldsymbol{\theta}$  and  $\mathbf{Z}(u)$  should be column vectors.
11. Page 374, in equation (10.3),  $\mathbf{I}_{\boldsymbol{\theta}}$  should be  $\mathbf{I}_{\boldsymbol{\theta}_0}$ .
12. Page 376, third displayed equation should read

$$Z_2 = \sqrt{\frac{12}{n}} \left( \sum_i u_i - \frac{n}{2} \right).$$

13. Page 521, line 7: the fraction of contested area is  $-C(u, \mathbf{x})$ , not  $C(u, \mathbf{x})$ .
14. Page 535: `temper` should be `rtemper`.

15. Page 542: Figure 13.33 is incorrect; the correct figure is shown below. The figure in the book was produced by `parres(copfit, dlin)` (as stated correctly in the text) but this should have been `parres(copfit, "dlin")`.



16. Page 544: A term has been omitted in equations (13.55) and (13.57). The right hand side of (13.55) should include the additional term

$$+ \sum_{i=1}^n [\mathbf{Z}(x_i \mid \mathbf{x} \cup \{u\}) - \mathbf{Z}(x_i \mid \mathbf{x})]$$

and the right hand side of (13.57) should include

$$+ \sum_{j=1}^n [\mathbf{Z}(x_j \mid \mathbf{x}) - \mathbf{Z}(x_j \mid \mathbf{x} \setminus \{x_i\})].$$

17. Page 578, line 5: `plot(ProbU)` should be `plot(ProbD)`.  
 18. Page 786, reference [643]: volume number is **62**.

We thank **Suman Rakshit** and **Tilman Davies** for alerting us to some of these errors.

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