

Errata of ‘Bayesian Inference with INLA’

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This document lists the errata found in the printed edition of the book *Bayesian Inference with INLA* by V. Gómez-Rubio and published by CRC Press/Taylor and Francis. These errata have been fixed in the [on-line version](#) of the book. As of 19/07/2021 the R code has been tested on R 4.0.5 and it runs smoothly.

- Some minor typos have been fixed in the text.
- Page 110. Half-Cauchy prior is $\pi_{HC}(\sigma|\gamma)$ (and not $\pi_{HN}(\sigma|\gamma)$).
- Page 110. Half-t prior is $\pi_{HT}(\sigma|\nu)$ (and not $\pi_{HN}(\sigma|\nu)$).
- Page 154. The computation of the Q matrix for the Leroux model is wrong. The code should read:

```
Q <- Diagonal(x = sapply(boston.adj, length))
Q <- Q - as_dsTMatrix_listw(nb2listw(boston.adj, style = "B"))
```

- Page 168. The conversion from degrees to radians is wrong (thanks to Hal Voepel for reporting this). The R code has been fixed as follows:

```
#In addition, we will rescale `elevation` (to express it in kilometers) and
#`orientation` (to be in radians) so that fixed effects are better estimated:
clmfires.extra$clmcov100$elevation <-
  clmfires.extra$clmcov100$elevation / 1000
clmfires.extra$clmcov100$orientation <-
  clmfires.extra$clmcov100$orientation * pi / 180
```

- Page 169. The data and mesh points are in the incorrect order in `allpts` (reported by Rafael Arce Guillen). The code has been ammended as follows:

```
#Points
clm.pts <- as.matrix(coords(clmfires0407))
clm.mesh.pts <- as.matrix(clm.mesh$loc[, 1:2])
allpts <- rbind(clm.mesh.pts, clm.pts)
```

Note that this is the required order because the other variables created for model fitting (e.g., `y.pp`, `e.pp`, etc.) assume that the mesh points are before the data points in `allpts`.

- Please, check the updated results of the ‘Castilla-La Mancha forest fires example’ in the [Gitbook version](#) of the book.