

Typos and errors in **Compositional Data Analysis in Practice** [reporter in brackets]

p. 14, Sect. 2.3, 1st line of 3rd paragraph: "exactly in a plane" [Jan Graffelman]

p. 36, caption of Table 5.3, 3rd line: "two logratios" [Jan Graffelman]

p. 65, second last line of first paragraph of Sect. 9.1: remove "/" in formula [Jan Graffelman]

p. 83, formula (A.8), remove "1+" from denominator, it should read as follows [Jan Graffelman]

$$\text{inverse CLRs: } x_{ij} = \frac{e^{y_{ij}}}{\sum_{k=1}^J e^{y_{ik}}}, \quad j = 1, 2, \dots, J \quad (\text{A.8})$$

p. 84, several typos in formula (A.10), the uppercase X's should be lowercase, and include the index i as in (A.9), there are also parentheses that should be removed. The formula should read: [author]

$$\begin{aligned} \text{PLRs: } & \sqrt{\frac{c_k C_{J-k}}{c_k + C_{J-k}}} \log \frac{x_{ik}}{\prod_{j=k+1}^J x_{ij}^{c_j/C_{J-k}}} \\ & = \sqrt{\frac{c_k C_{J-k}}{c_k + \dots + c_J}} \left(\log(x_{ik}) - \frac{1}{C_{J-k}} \sum_{j=k+1}^J c_j \log(x_{ij}) \right), \quad k = 1, \dots, J-1. \end{aligned} \quad (\text{A.10})$$

On the same page further down, the last of the "normalizing constants" is incorrect, this line should read: [author]

$$\sqrt{(c_1 C_{J-1})}, \sqrt{(c_2 C_{J-2})/(c_2 + \dots + c_J)}, \sqrt{(c_3 C_{J-3})/(c_3 + \dots + c_J)}, \dots, \sqrt{(c_{J-1} C_J)/(c_{J-1} + c_J)}$$

p. 100, upper block of R output: after simplification of the amalgamation logratio definition, the SLR output is now [Antonio Garrido]

\$LR

| Asparagus | Beans(soya) | Broccoli | Carrots |
|------------------|-------------|-------------|-------------|
| -0.59015191 | -0.32072118 | -0.05241199 | -2.35713896 |
| Corn | Mushrooms | Onions | Peas |
| -2.05846331 | -1.60130000 | -2.14926421 | -1.00785419 |
| Potatoes(boiled) | Spinach | | |
| -2.46428736 | -0.34045070 | | |

(I simplified definition of SLRs in the book, but didn't modify the previous output)

p. 107, last block of code, the PLOT.RDA function, should read like this (code correction in blue) [Antonio Garrido]:

```
PLOT.RDA(fish.RDA, map="contribution", rescale=0.05, axes.inv=c(1,-1),
         indcat=2:5, colrows=colcat[sexhab], colcats=colcat,
         pchrows=rep(19, nrow(fishm)), cexs=c(1,1,1), fonts=c(2,4,2))
legend("topright", legend=c("female littoral (FL)", "female pelagic (FP)",
                             "male littoral (ML)", "male pelagic (MP)"), pch=19,
       col=colcat, text.col=colcat, text.font=2)
```

p.106, second line of first block of code [Antonio Garrido]

```
> LRA(time, amalg = list(nowork= c(4:6)))
```

p. 110, bottom block of R code, 3rd line:

```
> cupnames <- colnames(cups) (round brackets) [Dean Billheimer]
```

p. 113, line 5: "(PLRs)" [author]

p. 116, lines 2 and 3: "45" (not 55) [author]