
1. p. 19. The second line of code should read (missing backslashes):

   ```r
   > mm <- matrix(unlist(strsplit(as.character(md$id),
   + "\\.")), ncol = 2, byrow = TRUE)
   ```

2. p. 20, line 5 of prob. 1.9 should read “2 cycles/second”.

3. p. 28, line 5, should read “The function `lm` is the principal tool ...”

4. p. 41, apparently `mcmcsamp` in `lme4` was broken when we last ran this function, as the confidence intervals on the random effects do not even include the estimates. An alternative, in this case, would be to use the `lme` function in the `nlme` package. The code to perform this analysis with `lme` and the results are shown below:

   ```r
   > library(nlme)
   > data(ModelFest.df, package = "MPDiR")
   > mfGab <- droplevels(subset(ModelFest.df, Stim %in% paste0("Stim", 1:10)))
   
   > mfGab.lme <- lme(LContSens ~ Stim, data = mfGab, random = ~ 1 | Obs/Stim)
   > mfGab.lme
   ```

   Linear mixed-effects model fit by REML
   Data: mfGab
   Log-restricted-likelihood: 354
   Fixed: LContSens ~ Stim
   (Intercept) StimStim2 StimStim3 StimStim4 StimStim5 StimStim6 StimStim7 StimStim8
   1.8210 0.1394 0.2422 0.2855 0.1710 0.0227 -0.2001 -0.5232
   StimStim9 StimStim10
   -0.8615 -1.2535

   Random effects:
   Formula: ~1 | Obs
   (Intercept) StdDev: 0.151
   Formula: ~1 | Stim %in% Obs
   (Intercept) Residual
   StdDev: 0.112 0.105

   Number of Observations: 640
   Number of Groups:
   Obs Stim %in% Obs
   16 160
   > intervals(mfGab.lme)

Approximate 95% confidence intervals

   Fixed effects:
   lower est. upper
   (Intercept) 1.7251 1.8210 1.917
   StimStim2 0.0530 0.1394 0.226
   StimStim3 0.1558 0.2422 0.329
   StimStim4 0.1992 0.2855 0.372
   StimStim5 0.0846 0.1710 0.257
   StimStim6 -0.0637 0.0227 0.109
   StimStim7 -0.2864 -0.2001 -0.114
   StimStim8 -0.6096 -0.5232 -0.437
   StimStim9 -0.9479 -0.8615 -0.775
   StimStim10 -1.3399 -1.2535 -1.167
attr("label")
[1] "Fixed effects:

Random Effects:
Level: Obs
  lower  est.  upper
sd((Intercept)) 0.103 0.151 0.221

Level: Stim
  lower  est.  upper
sd((Intercept)) 0.0965 0.112 0.129

Within-group standard error:
  lower  est.  upper
0.0989 0.1054 0.1122

5. p. 54, point 3 before Sect. 2.6.1, “expected value of the response, \( \mu \),”
6. p. 59, first line after Eq. 2.17 Michaelis-Mention should be Michaelis-Menten.
7. p. 105, line 8, should read “…and a logical, \texttt{Stim}, indicating…”
8. p. 108, lines 8–9, it should read, “We will abandon the latter in favor of the former, …”
9. p. 109, line 2, after code at top of page, level should read \texttt{Intensity}.
10. p. 130, The 3 lines of code just after the first paragraph
    > GrpResp <- Grp.glm <- vector("list", 2)
    > names(GrpResp) <- names(Grp.glm) <- names(levs)
    > for (nlevs in names(levs)) {
      should be deleted.
11. p. 134, The \texttt{plot} command for Fig. 4.10 is missing. It should be
    \begin{verbatim}
    plot(indiv.diags[[1]], cex = 0.5)
    \end{verbatim}
12. p. 137, In the code at the bottom of the page, the \texttt{lines} command in the panel function was truncated. It should have read,
    \begin{verbatim}
    + llines(nd$Phaseshift[nd$ID == which],
      + $pred[nd$ID == which], lwd = 2, ...)
    \end{verbatim}
13. p. 163, the code to draw Fig. 5.9 is at the bottom of p. 164.
14. p. 165 caption for Fig. 5.10, “dotted” for “solid grey” and just “solid” for “solid black”.
15. p. 173, Fig. 6.4b-d, It should have been indicated that these three figures come from Ahumada, Jr., A. J. (1996). Perceptual classification images from vernier acuity masked by noise, \textit{Perception} \textbf{25}(ECVP Suppl.), 18 (abstract) at http://vision.arc.nasa.gov/publications/ecvp96a/abs.html.
16. p. 202, line 1, it should read, \( d' = 2\sigma^{-1} \).
17. p. 203, Eq. (7.9) missing closing bracket
    \[ \Phi^{-1}(E(P(R = 1))) = X\beta \]
18. p. 277, line 8 from bottom, the code should read (missing backslashes),
    \begin{verbatim}
    + trace.label = "\n     Flanker \n     Contrast ",
    \end{verbatim}
19. p. 278, 3rd line from bottom, the code should read (missing backslashes),
    \begin{verbatim}
    + title = "Flanker\n     Contrast", cex = 0.75),
    \end{verbatim}
20. p. 285, line 3, the code should read (missing backslash),
    \begin{verbatim}
    + title = "Flanker of \n     Contrast ")
    \end{verbatim}
21. p. 306, line 13, it should read “...defined on p. 304…”
22. p. 310-311, for the code at the bottom of the first page and the beginning of the next, some of the results should be distributed along 2 lines. It should read as,
> a.lst <- list(A = LETTERS[1:5], B = (1:5)^2,
+   state = c(TRUE, FALSE, TRUE),
+   f = factor(c("Male", "Female", "Male", "Female", "Female")))
> a.lst

$A
[1] "A" "B" "C" "D" "E"

$B
[1] 1 4 9 16 25

$state
[1] TRUE FALSE TRUE

$f
[1] Male Female Male Female Female
Levels: Female Male

23. p. 311, lines 13–14 should be distributed across three lines as in
   > a.lst[2]
   $B
   [1] 1 4 9 16 25

24. p. 312, lines 12–13 from the bottom, the code should be distributed across three lines as in
   > d.df[5, 3]
   [1] Normal
Levels: Normal Protan Deutan Tritan

25. P. 328, line 1 space between “last function”

26. p. 348, line 9 after Eq. B.43, period after $\lambda = 1$. 
Modeling Psychophysical Data in R
Knoblauch, K.; Maloney, L.T.
2012, XV, 365 p. 103 illus., 4 illus. in color., Softcover