

## Errors in Categorical Data Analysis, second edition

My sincere thanks to Dr. Laura Thompson for pointing out many of these errors to me. Thanks also to David Firth, Pat Altham, Gianfranco Lovison, Harry Khamis, William Santo, Rene Gonin, Nicholas Cox, Theo Nijse, Roberto Bertolusso, Michael Vock, Bernhard Klingenberg, Brett Presnell, and Zhongming Yang.

### All printings so far contain the following errors:

- p. 52, line 5: Odds ratio calculation missing division sign
- p. 77: Regarding the sentence following the score confidence interval that reads, “These values do not have closed-form expressions ...”, actually the constrained ML estimates of  $\pi_1(\Delta)$  and  $\pi_2(\Delta)$  are available in closed form, but the confidence interval itself requires numerical computation. See, for example, the R code at the computing web site for the book.
- p. 143: Equation (4.38) should have a  $\hat{\cdot}$  over var.
- p. 218, line 3 from the bottom: 4.0 should be 3.6.
- p. 150, second equation in Sec. 4.7.2:  $\text{var}(Y_i)$  should be in denominator (i.e., should be divide sign before  $\text{var}(Y_i)$ )
- p. 173, line 7 after Sec. 5.2.2 heading: -97.23) should be -(-97.23))
- p. 192, first line after subsection 5.5.1:  $x$  should be bold-faced
- p. 207, exercise 5.33b: “test the quadratic term” should be “test the linear and quadratic terms together”.
- p. 284, Table 7.7: The fourth life-length category should be 50-65 instead of 50-60.
- p. 321, formula (8.14): The 1 subscript in the denominator should be an  $i$ .
- p. 323, Table 8.5: The title should refer to the “Loglinear Models in Table 8.4” (not in Table 8.5).
- p. 358, second to last sentence before subsection 9.1.2: The separation result should also cite Darroch, Lauritzen, and Speed (1980).
- p. 423: The count in row 3, column 2 should be 225.
- p. 427: The count in row 3, column 2 should be 225, and the count in row 3, column 3 should be 17,819.
- p. 499: In equation (12.8), 0.6 in the constant  $c$  should be 0.346.

- p. 559, 561: Regression is misspelled in the running head
- p. 586: In the last term in formula (14.19), should divide by  $\pi_N$  rather than multiply by it.
- p. 644, Table A.15: The counts in line 4 should be in the reverse order namely 81 68 60 38, as in the table on p. 368.
- p.646: In the fifth PROC GENMOD statement for the quasi-uniform association model, the model statement is missing QI; it should be  
model count = extramar premar qi unif / dist=poi link=log;
- p. 668: Missing the reference  
Gini, C. 1914. Di una misura della dissomiglianza tra due gruppi di quantità e delle sue applicazioni allo studio delle relazioni statistiche. *Atti del Reale Istituto Veneto di Scienze, Lettere ed Arti. Series 8, 74*: 185–213.

**The first and second printing also contain the following errors:**

- p. 70, 397, 699: Zweiful should be Zweifel
- p. 96, line -9: 1981 should be 1991.
- p. 107, exercise 3.11: The vectors of counts (11, 52, 23, 22) and (9, 44, 13, 10) have been transposed. The first should refer to the middle income group and the second to the low income group.
- p. 143, first equation:  $Cov(\mathbf{y} - \hat{\boldsymbol{\mu}})$  should equal  $[Cov(\mathbf{y})]^{1/2}[\mathbf{I} - \mathbf{Hat}][Cov(\mathbf{y})]^{1/2}$
- p. 145, Figure 4.6: The curves are labeled  $g$  and  $Q$  (as in the first edition), but in this edition  $g$  should be the log likelihood  $L$ , and  $Q$  should be its quadratic approximation.
- p. 184: Equation (5.11) should be (5.12). The error propagates until the end of Chap. 5.
- p. 186, Figure 5.4: The vertical bars are not the 95% confidence intervals, but go to +/- one standard error on either side of the point estimate.
- p. 239, just prior to Section 6.4.4: On line 2, “since is has” should be “since it has”
- p. 253, last paragraph: 32,573 should be 32,574
- p. 270: In Table 7.3, the table entry of 89 should be 8
- p. 297, line 6: “His statistic” should be “Their statistic”
- p. 486: exercise 11.8 should refer to Table 10.13, not Table 11.13.

p. 648: Table A.22 is missing the following lines following the input statement (line 2 of the code):

```
y1=0;y2=0;y3=0;y4=0;  
if outcome=1 then y1=1;  
if outcome=2 then y2=1;  
if outcome=3 then y3=1;  
if outcome=4 then y4=1;
```

The author index (on p. 693) says that there is a reference to Boos on p. 467, but the actual reference appears on p. 468. It says (on p. 696) that there is a reference to Khamis on p. 332, but the actual reference appears on p. 322.