CORRECTIONS TO
Solutions Manual for "Linear Models"
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Correction Set 1, May 1977

Page 5, Ex. 1.12: The second \( AA' \) should be \( A'A \).

Page 14, Ex. 2.3, last 2 lines:
\[
n = 2 \quad \text{should be} \quad n \leq 2.
\]
\[
n = 2, \quad n = 4 \quad \text{should be} \quad n \leq 2
\]

Page 20, Ex. 2.12(v), line 1: \( \mu'W\mu \) should be \( \mu'W\mu' \).

Page 20, Ex. 2.12(v), line 2: The \( \mu \) should be \( \mu' \).

Page 37, Ex. 3.4, Eq. (2):
\[
\text{on LHS:} \quad N^{-1}ii'[i - \text{should be} \quad N^{-1}ii'I - .
\]
\[
\text{on RHS:} \quad \text{The last} \quad i \quad \text{should be} \quad i'.
\]

Page 37, Ex. 3.5, 4 lines up: \( X^2 \) should be \( X^2' \).

Page 38, Ex. 3.6, penultimate line: The first \( Nx' \) should be \( Nx' \).

Page 38, Ex. 3.7:
\[
\text{line 1 up:} \quad [K'(X'X)^{-1} \text{should be} \quad [K'(X'X)^{-1}K]^{-1}.
\]
\[
\text{last line:} \quad S \quad \text{should be} \quad S^{-1}
\]

Page 40, Ex. 3.8, line 2: \( -xS^{-1} \) should be \( -x'S^{-1} \).

Page 48, Ex. 3.16: In the expression for \( u, t'(X'V^{-1}x)^{-1} \) should be \( t'(X'V^{-1}x)^{-1}x'V^{-1} \)

Page 71, 3 lines up: \( \frac{1}{2}(\frac{1}{3})^a \) should be \( \frac{1}{2}(\frac{1}{3})^2 \).

Page 74, end of 6.5: \( Q = \ldots = 1132/11, \text{not} \quad 1032/11 \).

Page 75, Ex. 6.6-4: The (3,2) element in \( K' \), namely 1, should be \(-1 \).

Page 80, Ex. 6.10, line 2: \( R(\alpha; \beta|\mu, \alpha) \) should be \( R(\beta; \alpha|\mu, \alpha) \).

Page 81, Ex. 6.10, first line below FVA: The last \( n_{ij}^{-1} \) should be \( n_{ij}^{-1} \).
Page 185, 3/2 (c): The equivalent Snedecor Sixth Edition, 1967, references are pages 383 et seq., and Tables 13.3.1 and 13.3.2.

Page 187 (a): model (1) should be model (2).

Page 192, 6/1, line 1: n_{ij} should be n_{i}.

Page 193, 7/1, line 2: \( \bar{y}^2 \) should be \( \bar{y}^2 \).

Page 194, part (d): Apparently not as easy as it might look.

Page 197, 8/4: \( x^{(k)} \) should be \( \bar{x}^{(k)} \).

Page 198, 8/5, (b): Rewrite as:

In Table 12.8, p. 328 of Snedecor, 4th Edition, identify each sum of squares in terms of the Dixon and Massey notation.

Page 215: See over.
Additional Corrections Needed for 5th Printing
of "Linear Models" May, 1977

Page 51, title to i: F should be bold face type.

Page 103, bottom: In degrees of freedom N - 2 should be N - r, and p - 2 should be p - r (four times).

Page 244, line 3: k' should be bold face type.

Page 360, below (58): zij should be zijk (three times)
                z_.. should be z_... .

Page 366, Table 8.12 and below it: The following changes put this material in harmony with other writers:

Multiply the r.h.s.'s of SSA_u, SSB_u and SSAB_u by n_h .

In (68) delete n_h from before \sigma^2, and multiply the three summation terms by n_h .

For the definition of n_h , namely the line beginning "with", replace n_h by 1/n_h .

In the line that starts with 1/n_h change the 1/n_h to n_h .

Page 371, lines 3 and 6 below (68): weighted should be testing.

Page 446, line 3 of paragraph (i): R(\gamma|\mu, \alpha, \beta) should be R(\beta|\mu, \alpha) .