

Principal corrections to

Fitting Linear Relationships: A History of the Calculus of Observations 1750– 1900.

By Richard William Farebrother

- (1) Page v, line 9 and page 4 line 2: 'Quantification' should read 'Measurement'.
- (2) Page 9, line 7 and page 10, line 4b: '1763' should read '1760'.
- (3) Page 14, line 3: for 'value' read 'coefficient'.
- (4) Page 15, line 13b: " $\Theta = 17^{\circ} 3'$ " should read " $\theta = 17^{\circ} 30'$ ".
- (5) Page 44, line 8b: " $x = 0$ " should read " $X = 0$ ".
- (6) Page 64, line 14: "sixty six" should read "seventy six."
- (7) Page 79: Footnote 10 should have referred to the letter from Legendre to Gauss given in Plackett (1972, pp.242-243) rather than to the letter from Legendre to Jacobi.
- (8) Page 76: in numerator of first display formula, $=$ should be $+$
- (9) Page 77, line 3b: "1832b" should read "1823b".
- (10) Page 81: for clarity, the second sentence on lines 3 and 4 should begin with 'In 1781'.
- (11) Page 84, line 1: 'Coulidge' should read 'Coolidge'.
- (12) Page 91, line 8: '1801' should read '1799'.
- (13) Page 105, footnote 2: '1805' should read '1806'.
- (14) Page 112, footnote10: the last part of the equation should read $(m_i n_i)^2$.
- (15) Page 115, line 2b: The last bracketed term should read $a_3(p_1 q_2 - q_1 p_2)$.

- (16) Page 116, line 9: In the second term of the second display equation, the denominator should begin $\sum p_i^2 \sum q_i^2$.
- (17) Page 120 line 3: delete superfluous superscript $\frac{1}{2}$.
- (18) Page 123 note 17: Second line: first + should be - , = should be - followed by [the next ϵ_2 should be ϵ_0 , there should be a + after that squared term, there should be a + after the next squared term, and there should be a] at the end.
- (19) Page 124 line 2: ϵ_i should be ϵ_1 .
- (20) Page 128: in the first two exponentials, all the expression after the e should be elevated to the exponent.
- (21) Page 148, line 8: $\sum v_i/n$ should read $\sum v_i^2/n$
- (22) Page 157, line 15: $B_1 B_2$ should read $B_1 B_1$.
- (23) Page 193, line 5: Delete superscript (1) from the second repetition of the equation.
- (24) Page 210, line 1b: [is missing from the first λ_2 expression.
- (25) Page 222, line 7: the square root extension should only cover the 2.
- (26) Page 244, line 11: "discrepantiumatque" should read "discrepantium atque".
- (27) Page 244, line 24: "Fundameta" should read "Fundamenta".
- (28) Page 244, line 27: "de méthode" should read "la méthode".
- (29) Pages 244 and 246: Several of the articles by Bienaymé and Cauchy were published in a journal that I named "*Compte Rendu ...*" Although it is certainly correct to refer to a single issue of the journal as '*Compte Rendu ...*', it is perhaps more correct to refer to a volume as "*Comptes Rendus...*"
- (30) Page 246, lines 21b-20b, the reference for 'Cauchy (1853f)' should read:

Cauchy, A.L. (1853f), Sur la probabilité des erreurs qui affectent des résultats moyens d'observations de même nature: *Compte Rendu de l'Académie des Sciences de Paris* 37: 264–272.

(31) Page 246, line 2b: insert page numbers 61–76.

(32) Page 246, line 1b: "Aestimaticerrorum" should read "Aestimatio errorum".

(33) Page 247, line 20: "Salger" should read "Salzer".

(34) Page 248, line 7: "Halfner" should read "Hafner".

(35) Page 248, line 4b: "Academiak" should read "Academiae".

(36) Page 249, line 18b: "Instituto" should read "Istituto".

(37) Page 251, line 15: for page numbers 1–35 read 36–69.

(38) Page 251, line 7b: '1901a' should read '1901'.

(39) Page 251, lines 5b–4b: delete Goedseels (1901b) reference.

(40) Page 252, lines 22 and 23: "scientarum" should read "scientiarum".

(41) Page 254, line 10: 35 should read 37.

(42) Page 256, line 14: 17 should read 9.

(43) Page 256, line 18b: insert page numbers 140–143.

(44) Page 256, line 7: the first edition of Legendre's book was published by Firmin Didot in 1805. The second edition was published by Courcier (not Mme. Courcier) in 1806.

(45) Page 257, line 9: for 'Newcombe' read 'Newcomb'.

(46) Page 260, line 6b: 'Scientist' should read 'Science'.

(47) Page 261, line 9: 'Almindeliz' should read 'Almindelig'; and 'Iagttagelsesre' should read 'Iagttagelseslaere'.

(48) Page 261, line 18: 11 should read 9.

(49) Page 263, line 8: 'Allen, G.C.' should read 'Allen, C.G.'

I am indebted to H. Leon Harter, Oscar B. Sheynin, and Stephen M. Stigler for drawing these corrections to my attention. There are also several minor errors of spelling, grammar, and syntax that I have not troubled to list.

Please send any additional contributions to

R.W.Farebrother@man.ac.uk

R W Farebrother

School of Economic Studies

University of Manchester

Email: R.W.Farebrother@Man.ac.uk

Note: please use this Email address rather than any other form

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Farebrother, R.W.

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