Erratum

Evaluating Measurement Accuracy: A Practical Approach

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Chapter 2:

Page 40, last paragraph: The last item (currently item (4) in the list) should not be part of the numbered list – it belongs to the regular running text, and so this number "(4)" must be removed.

Chapter 3:

Page 72, formula (3.2): The upper limit of the integral must be "z", not "2".

P. 92, the 1st formula from the top, for S_L^2: the term in parentheses must be raised to the power of 2. Thus, the correct formula is

$$S_L^2 = \frac{1}{L-1} \sum_{j=1}^{L} n_j \left(\bar{x}_j - \bar{x} \right)^2 ,$$

P. 92: the 3d formula from the top, for $\bar{S}^2$: the term in parentheses must be raised to the power of 2. Thus, the correct formula is

$$\bar{S}^2 = \frac{1}{N-L} \sum_{j=1}^{L} \sum_{i=1}^{n_j} \left(\bar{x}_{ij} - \bar{x}_j \right)^2.$$

Chapter 4:

P. 118, the 2d formula from top: the nominator and denominator must be switched ("l_1" in the nominator and "l_2" in the denominator). Thus, the correct formula is

$$x = \frac{l_1}{l_2} P_2.$$

P. 125, 2d line after expression (4.14): replace "1.96" with "1.96σ".

P. 129, the second stand-alone line of formulas from top: in the left-most formula, replace "x^i" with "x_i".

In the line that follows, replace the second occurrence of "$dQ/d\tilde{A} < 0$" with "$dQ/d\tilde{A} > 0$".

Chapter 5:

P. 164, formula (5.41): replace the four occurrences of "w_1" with, respectively, "w_1", "w_2", "w_3", and "w_4".

P. 165, 2d formula from top: Remove "k" from the first occurrence of "$k\sqrt{3}$".

Chapter 6:

P. 179, 2d line from bottom: Replace "Sect. 8.2" with "Sect. 6.2".

Chapter 7:

P. 198, 4th textual line from top ("...and substituting it into the expression for y"): Replace "y" with "Δy".

P. 198, the line just before the 2d stand-alone formula from bottom: the last term in the left-hand side of the expression there should have index "L" and not "2". Thus the full formula must read:

$$g_2 + g_2 + \cdots g_L = 1 - g_1$$

P. 206: The inequality $(x_{\max} - x_{\min}) \leq 2\Delta$ in the middle of the page misses label "(7.19)".

Chapter 8:

P. 214: The first stand-alone formula from top: the sign "$=$" is missing after C_{in}.

P. 229, 2d paragraph from the beginning of sec. 8.6.2. In the 3d line of this paragraph, add a space between "m" and "as" in "... retaining $m$as... ".

P. 237: In the end of the second paragraph from bottom replace table numbers "8.6" and "8.7" with, respectively, "8.9" and "8.10".