

Errata for:

Mathews, *Design of Experiments with MINITAB*, ASQ Quality Press, 2004.
(Revised 2 February 2009)

Errata - Textbook

- p. 6, line 2: Replace Q2 with Q3
- p. 38, In Section 3.2 title, replace R with σ .
- p. 54, In Section 3.5.2 title, replace s with σ .
- p. 61, In Example 3.13, put $1/7[]$ around summation inside of square root
- p. 61, In Example 3.13, change from 9 to 7 df and change p value from 0.037 to 0.044.
- p. 74, In Acceptance Interval for One mean, sigma unknown, mu NE mu0 case, insert minus sign in front of left end of interval, i.e. $-t_{\alpha/2} < \dots$
- p. 74, In Test Statistic for One variance case, replace x^2 with chi squared.
- p. 77, Replace $z_{\text{sub } \pi}$ with $z_{\text{sub } p \text{ sub } i}$.
- p. 81, In Figure 3.28, last test, replace "vs mu = 500" with "vs < 500 ".
- p. 82, 3rd line from top, replace "so again we must conclude that mu NE 500" with "so we must reject $H_0: \mu = 500$ in favor of $H_A: \mu < 500$."
- p. 109, In Figure 4.6, change axis label from CC(5-1) to CC(2^(5-1)).
- p. 111, Omit first sentence of Example 4.7.
- p. 128, Misplaced comma. Change "After the experiment design, has been chosen a sample-size calculation ..." to "After the experiment design has been chosen, a sample-size calculation ..."
- p. 166, Remove space between $(1 - \alpha)$ and 100% on 2nd line before Equation 5.45.
- p. 175, In Table 5.5, fill in block numbers: 1, 1, 1, 2, 2, 2, ..., 6, 6, 6.
- p. 201, Change "Notice that the row and column sums add up to zero." to "Notice that each of the rows and columns sums to zero."
- p. 212, In last line of solution to Example 6.7, change affect to effect.
- p. 218, In Figure 6.5, columns A and B in Data Display are incorrect. Correct values are A={1,1,1,1,2,2,2,3,3,3} and B={1,1,2,2,1,1,2,2,1,1,2,2}.
- p. 236, Equation 7.5, Change equals signs to approximately equals signs and add explanatory footnote. Make same same change in other places. See comments below.
- p. 246, In Figure 7.3, Two-Way ANOVA Table With Interaction, replace "Part # Op" with "Part * Op".
- p. 258, In Example 7.11, the power should be $P = 1 - 0.448 = 0.552$.
- p. 287, In Eq. 8.26, in the upper (right side) limit of the compound inequality for $\beta(1)$, change - sign to + sign.
- p. 309, after Eq. 8.49, change $t_{\text{sub } b2}$ to $t_{\text{sub } b \text{ sub } 2}$ in two places.
- p. 322, Omit "Stat>" from "Stat> Calc> Calculator".
- p. 340, 3rd line from end of solution to Example 8.31, replace b with β_1 in "... a narrower confidence interval for b than ..."
- p. 369, Table 9.2, in the first column of p-values only, delete the p-value associated with A (0.022) and move all of the other p-values in this column up one row. The p-value for AC should be 0.222 when you're done. Add the p-value for BC: 0.451.
- p. 440, In Figure 11.3d, add "-20B^2" to title.
- p. 481, Add " $= p$ " to title.
- Back cover, 4th line from bottom of About the Author, change misspelled last name "Matthews" to "Mathews".