

Errata and Updates for ASM Exam MAS-II (Fifth Edition) Sorted by Date

- [4/28/2024] On page 513, in question 34, the first choice should be:
- I. If autocorrelation of terms in a time series is positive, generalized least squares results in larger confidence intervals than ordinary least squares.
- [4/28/2024] On page 545, in question 3, change the answer choices to:
- (A) Less than 12.4
 - (B) At least 12.4, but less than 12.5
 - (C) At least 12.5, but less than 12.6
 - (D) At least 12.6, but less than 12.7
 - (E) At least 12.7
- [4/25/2024] On page 501, on the last line of question 7, change “integr” to “integer”.
- [4/25/2024] On page 542, in question 32, in the matrix, change the entry for row 2 column 1 from 0.5 to 0.4.
- [4/25/2024] On page 542, in question 33, on the first line, change “6” to “5”.
- [4/25/2024] On page 678, in the solution to question 5, on the third line, change $0.25^2(384.16) = 56.04$ to $0.5^2(384.16) = 96.04$.
- [4/25/2024] On page 696, in the solution to question 34, on the second and third lines (once apiece), change 0.1333 to 0.1133.
- [4/14/2024] On page 673, replace the solution to question 18 with the following:
- For points 131 and below, the prediction is “No”. For points 180 and up, the prediction is “Yes”. For 144, the closest points are 131 and 151, leading to a “Yes” prediction. For 151, the closest points are 144 and 168, leading to a “No” prediction. For 168, the closest points are 151 and 180, leading to a “Yes” prediction. Thus the prediction is erroneous at 131, 144, 151, and 168, for a $4/12$ or $33\frac{1}{3}\%$ error rate.
- (C)
- [10/24/2023] On page 389, the table for exercises 35.1 and 35.2 is missing a line. Add a line after 3,253/3,544 with 3,701 for predicted loss cost and 3,963 for actual loss cost.
- [8/22/2023] On page 263, on the third line of Example 23A, change “a linear mixed models” to “a linear mixed model”. In part 2 (the last line of the page), change “random student” to “random tenth grade student”.
- [8/22/2023] On page 292:
- Three lines above the table before Section 26.2, change “Kenward-Rogers” to “Kenward-Roger”
 - In the table before Section 26.2, change “Kenwood-Rogers” to “Kenward-Roger”.
- [8/22/2023] On page 295, in the paragraph beginning “**Newton-Raphson (N-R)**”, on the first line, change “maximizes” to “minimizes”.
- [8/22/2023] On page 302, on the second line of Example 27D, change “nor” to “not”.
- [8/22/2023] On page 303, four lines under equation (27.3), change “Kenward-Rogers” to “Kenward-Roger”.
- [8/22/2023] On page 334, on the second line of the second paragraph, change “effectf” to “effect”.

- [8/22/2023] On page 334, in Section 31.6, on the line after the first list of 3, delete the “=” after “design”.
- [8/22/2023] On page 382, on the second line after the tables (the line beginning “The *lift*”), change “average” to “actual”.
- [8/22/2023] On page 563, in question 13 II, change “Kenward-Rogers” to “Kenward-Roger”.
- [8/22/2023] On page 678, in the solution to question 9 III, change “Kenward-Rogers” to “Kenward-Roger”.
- [8/22/2023] On page 710, in the solution to question 13 II, change “Kenward-Rogers” to “Kenward-Roger”.
- [8/20/2023] On page 433, regarding the last sentence of the second paragraph, beginning with “The C matrix”: The textbook is ambiguous about how padding is done. But typically the original feature map is padded and then convolution is done. Therefore, replace this sentence with
- The starting matrix may be padded with 0s on the right and bottom to expand it so that the resulting C matrix has the same size as the starting matrix.
- [8/20/2023] On page 435, regarding exercise 38.5: The textbook is ambiguous about how padding is done. But typically the original feature map is padded and then convolution is done. Therefore, replace the words on the second-to-last line, “is convolved with it and the resulting matrix is padded”, with “is convolved with a padded feature map.”
- [8/20/2023] On page 439, in the solution to exercise 38.5, replace the two matrices on the fourth line with

$$\begin{pmatrix} 7 & 10 & 7 & 0 \\ 2 & 7 & 6 & 0 \\ 11 & 7 & 2 & 0 \\ 7 & 8 & 6 & 0 \end{pmatrix} \qquad \begin{pmatrix} 5 & 8 & 7 & 7 \\ 3 & 6 & 4 & 6 \\ 3 & 10 & 7 & 1 \\ 0 & 2 & 7 & 5 \end{pmatrix}$$

- [7/30/2023] On page 389, on the first line of exercise 35.3. change “life” to “lift”.
- [7/30/2023] On page 391, on the last line of the solution to exercise 35.3, change 221.1 to 222.2.
- [7/26/2023] On page 34, replace the solution to Example 4B part 2 with
- The median cannot be calculated by hand. Using Excel’s BETA . INV (0 . 5 , 4 , 8) we get approximately **0.324**.
- [7/26/2023] On page 209, in Table 18.1 on the second-to-last line, change AR(1) to AR(p).
- [7/26/2023] On page 217, delete the footnote. The formula is used in Markov chain Monte Carlo, which was removed from the MAS II syllabus as of the Fall 2023 sitting.
- [7/26/2023] On page 218, on the last line of the first paragraph, change “underestimated” to “overestimated”.