

Errata and Updates for ASM Exam FAM-L (First Edition) Sorted by Date

- [11/16/2023] On page 520, in formula (25.1), change the equals sign to an approximation sign \approx .
- [11/16/2023] On page 529, in the solution to exercise 25.8, on the second line, change 15.2585 to 15.2539. Delete the paragraph after the second line.
- [11/16/2023] On page 559, ignore the warning below formula (27.4).
- [11/16/2023] On page 617, in the solution to exercise 30.3, on the fifth line, change 0.0814497 to 0.00814497.
- [10/31/2023] On page 358, in the Note paragraph, on the seventh line, replace ${}_1A1|_x$ with ${}_vA_{x+1}$.
- [10/31/2023] On page 384, in the solution to Quiz 18-3 on the last line, put a prime on (IA) so that it reads $(IA)'_{40:\overline{20}}$.
- [10/31/2023] On page 426, in the solution to exercise 10.36, on the third line, change “0.95^s” to “0.85^s”.
- [10/31/2023] On page 906, in question 6, change the first set of (A), (B), (C) to I., II., III.
- [9/28/2023] On page xix, in the heading of Table 1, change “14 Week” to “9 Week”.
- [9/28/2023] On page 90, for the purpose of preparing for Exam FAM-L, ignore everything above Example 6B, since Exam FAM-L is multiple choice.
- [9/28/2023] On page 90, on the third line of the solution to Example 6C, replace the three x s with y s, so that the line has $\left(\frac{\omega-y-t}{\omega-y}\right)^\alpha$ and $y = 30$.
- [9/28/2023] On page 91, four lines and two lines from the bottom of the page, replace T_x with T_{20} .
- [9/28/2023] On page 113, in the solution to exercise 6.27. for the purpose of preparing for Exam FAM-L, ignore the sentence beginning with “However, the published solution”, since Exam FAM-L is multiple choice so you merely need the correct answer; how you derive it will not affect your score.
- [9/28/2023] On page 185, on the first line of the solution to Example 10C, change the second $S(62, 5)$ to $S(62.5)$.
- [9/28/2023] On page 190, 4 lines above Example 11A, replace ${}_u p_x - {}_t p_x$ with ${}_t p_x - {}_u p_x$.
- [9/28/2023] On page 190, on the second line of the solution to Example 11A, remove one of the duplicate equal signs before -0.010826 .
- [9/28/2023] On pages 190–191, in the solution to Example 11A:
- On the second line of the solution, remove one of the duplicate equal signs before -0.010826 .
 - The last line of page 190 should read

$$\ln({}_{0.8}p_{65} \mu_{65.8}) = -0.00007(1.08^{65}) \left(\frac{1.08^{0.8} - 1}{\ln 1.08} \right) + \ln(0.00007(1.08^{65.8})) = -4.51157$$
 - The second line of page 191 should read

$$98(-0.010826) - 0.004231 - 4.51157 = \boxed{-5.576734}$$
- [9/28/2023] On page 216, on the sixth line of the sidebar, change z_p to z_q .
- [9/28/2023] On page 229, in the solution to exercise 12.17, on the last line, change the denominator 13^2 to 13^3 .
- [9/28/2023] On page 239, in the solution to exercise 13.6. on the last two lines, replace 295.5 with 298.2 (once on each line) and replace the final answer with 0.00668447.
- [9/28/2023] On page 239, replace the solution to exercise 13.7 with

According to the textbook, we add half the number of deaths, or 1, to the central exposed to risk; $298.2 + 1 = 299.2$.

$$\tilde{q}_{55} = \frac{2}{299.2} = \boxed{0.00668449}$$

[9/28/2023] On page 269, in the solution to exercise 14.5, on the second line from the end, put a right parenthesis after ${}_{10}E_{30}$.