

## Errata and updates for ASM Exam P Manual (Third Edition) sorted by page

[11/16/2019] On page 4, in Example 1C:

- In (v), change 40% to 15%
- In (vi), change 22% to 12%
- Change the last two lines of the solution to:

$$0.9 = 0.25 + 0.75 + 0.20 - 0.15 - 0.12 - 0.05 + x = 0.88 + x$$

It follows that  $x = \boxed{0.02}$ .

[10/18/2020] On page 16, in the solution to exercise 1.22, on the fourth line, add a left parenthesis before  $0.4 - 2d$ ).

[2/18/2020] On page 32, on the tenth line of the page, change  $P\left[\bigcup_{i=1}^n A_i\right]$  to  $P\left[\bigcap_{i=1}^n A_i\right]$ .

[10/18/2020] On page 39, in the solution to exercise 3.14, on the first line, change  $P(E \cup F)$  to  $P(E \cap F)$ .

[7/13/2020] On page 64, in exercise 5.15, replace the five answer choices with

- (A)  $\frac{(x-1)(11-x)(12-x)}{495}$   
 (B)  $\frac{(x-1)(11-x)(12-x)}{990}$   
 (C)  $\frac{(x-1)(2-2)(12-x)}{990}$   
 (D)  $\frac{(x-1)(x-2)(12-x)}{495}$   
 (E)  $\frac{(10-x)(11-x)(12-x)}{495}$

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[7/13/2020] On page 64, in exercise 5.16, replace answer choice (B) with

$$e^{-\lambda y}(e^\lambda - 1), y = 1, 2, 3, \dots$$

[7/13/2020] On page 68, in the solution to exercise 5.16, replace the last line with

$$= e^{-\lambda y}(e^\lambda - 1) \quad \mathbf{(B)}$$

[8/30/2019] On page 81, on the last line of the solution to Example 7D, change  $E[X]$  to  $E[N]$ .

[3/13/2020] On pages 84 and 88, exercises 7.7 and 7.22 are the same.

[1/2/2020] On page 86, in exercise 7.15, on the fourth line, change  $F(x)$  to  $F(t)$ .

[1/2/2020] On page 92, in the solution to exercise 7.12, on the ninth line, change  $c = \frac{-0.5428}{10^{-0.5428}} = 0.159554$  to  $c = \frac{1 - 0.5428}{10^{1-0.5428}} = 0.159554$ .

[8/3/2020] On page 153, in the solution to exercise 12.24, change the second and third lines to assuming  $0 \leq x \leq b$ ,

$$\Pr(X \leq x) = 0.75 \Pr(X \leq x \mid X \leq b) = 0.75 \left( \frac{x}{b} \right)$$

[9/12/2019] On page 181, in exercise 15.1, on the first line, change “values 1” to “values -1”.

[8/12/2020] On page 238, in exercise 19.12, in answer choices (B) and (D), change  $1 - ep^2$  to  $1 - 3p^2$ .

[10/18/2020] On page 270, in the solution to exercise 21.22, on the last line, change  $\lambda e^{\lambda}$  to  $\lambda e^{-\lambda}$ .

[10/18/2020] On page 271, in the solution to exercise 21.27, change the third displayed line to

$$\frac{1}{3} \left( -3e^{-3} - (e^{-\lambda}) \Big|_0^3 \right)$$

[8/30/2019] On page 278, in exercise 22.16, at the end of the question, the numbers at the end of the question after “policy.” are the five choices and should be formatted as

(A) 1.77                      (B) 2.08                      (C) 2.12                      (D) 2.77                      (E) 3.12

[10/18/2020] On page 285, in the solution to exercise 22.12, on the second displayed line, change  $5e^{-10/5}$  to  $15e^{-10/5}$ .

[8/30/2019] On page 293, 4 lines from the bottom, change “328 sample questions” to “330 sample questions”.

[12/28/2019] On page 294, in the sidebar, on the sixth line, change  $c = x_1$  to  $c = y_1$ . On the seventh line, change  $f(x) = x_1 + \dots$  to  $f(x) = y_1 + \dots$ .

[10/18/2020] On page 303, in the solution to exercise 23.15, on the first line, put a right parenthesis after the first  $1.2X_2$ ; change  $\Pr(X_1 > 1.2X_2)$  to  $\Pr(X_1 > 1.2X_2)$ .

[8/30/2019] On page 316, 5 lines from the bottom, change “such as C” to “such as STAM”. 4 lines from the bottom, change “such as S” to “such as MAS-I”. 2 lines from the bottom, change “328 sample questions” to “330 sample questions”.

[1/2/2020] On page 341, in exercise 27.16 answer choice (A), change  $e^{2t}$  to  $e^{7t}$ .

[12/16/2020] On page 366, in the solution to exercise 28.10, on the fifth line, delete  $p_1 +$ .

[9/12/2019] On page 428, question 18 in based on Lesson 28.

[9/12/2019] On page 443, question 16 in based on Lesson 28.

[1/22/2020] On page 451, in the solution to question 13, on the last line, change  $d2$  to  $dw$ .

[10/18/2020] On page 461, in the solution to question 16, on the third line, change  $F_{Y|X}(y \mid x)$  to  $f_{Y|X}(y \mid x)$ .

[9/12/2019] On page 462, question 22 in based on Lesson 28.

[9/12/2019] On page 467, in Table B.1, the missing entries for practice exams 2:18, 4:16, and 6:22 should all be 28.