

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

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

[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)  $\frac{(10-x)(11-x)(12-x)}{495}$

[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

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

[8/3/2020] On page 154, in the solution to exercise 12.24, change the second and third lines to assuming  $0 \leq x \leq b$ ,

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

[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

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

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

[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  $\Pr(X_1 > 1.2X_2)$ .

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