

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

[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 $P(E \cap F)$.

[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 $F_{Y|X}(y | x)$ to $f_{Y|X}(y | x)$.

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

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

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

[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

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