

Errata and updates for ASM Exam P Manual (Third Edition Second 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 $0.4 - 2d$).

[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

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

[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 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 $15e^{-10/5}$.

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

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

[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 $f_{Y|X}(y \mid x)$.