

Errata for the 2010 Edition

(These may already have been corrected in your copy.)

8/15/10; **Page 197**: The solution to Problem #21 should read: Let A stand for owning a home and B for owning a car. Since $Pr(A \cup B) \leq 1$,

$$Pr(A \cap B) = Pr(A) + Pr(B) - Pr(A \cup B) \geq 0.50 + 0.70 - 1 = 0.20.$$

11/21/10; **Page 13**: The integrals in Problems 3 and 7 should read

$$\int \int_D 2 \, dx \, dy.$$

12/2/2010; **Page 37**: The answer to Problem #19 is 0.0755

12/15/2010; **Page 83, third line**: Should read “concentrated.”

12/15/10; **Page 91, Problem #9**: Should read “Example 4.3.2

1/4/11; **Page 94, Problem #28**: Should read, “Fifty-two percent of a population are **females** and the rest **males**.”

2/8/11; **Page 157, third line of Section 8.6**: Should say, “**they** are not independent.”

2/8/11; **Page 164, Problem #29**: Should read, “ X is uniformly distributed over $(0, a)$.”

2/26/11; **Page 75, fourth line**: Should read

$$f(t) = (1/60), \quad 40 < t < 100,$$

3/23/11; **Page 120, last line of footnote**: should read, “ $X_1 + X_2$ can assume values 2, 3 and 4.”

9/28/11; **Page 190, Problem #25 (a), second line**: should read,

$$M(r) = \sum_{n=0}^{\infty} pq^n e^{rn} = \sum_{n=0}^{\infty} p(qe^r)^n = \frac{p}{1 - qe^r}.$$

10/20/11 **Page 84, Example 4.2.1** should read “Example 4.2.2”

10/20/11**Page 87, Example 4.3.2** should read ”Example 4.3.3”

10/20/11**Page 91, Problem 8** should read “See Problem 5)”

10/20/11**Page 215, last line of solution to Part 3** should read “ $-3a^2$.”