Errata Sheet for
8*th* Edition of
Introduction to Mathematical Statistics
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Many of these errors and typos were e-mailed to me by readers of HMC. THANKS!!!
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1. Page 9, line 6, limits of integration for $Q[(5,\infty)]$ are 5 and ∞.
2. Page 9, line 13, replace $1 = 3, 4, \ldots$ with $i = 2, 3, \ldots$.
3. Page 52, last line, should read:
$$F(x) = 1 - (1 + 5e^x)^{-.2} \quad -\infty < x < \infty.$$
4. Page 63, the last line in the display is:
$$e\sum_{y=0}^{\infty}\left(\frac{1}{2}e^{-1}\right)^{y+1} = \frac{1}{2}\frac{1}{1-(1/2)e^{-1}} = \frac{e}{2e-1}.$$
5. Page 100, line -3, last line of equation is
$$= e^{-\mu_1}\sum_{x_1=1}^{\infty}\mu_1\frac{\mu_1^{x_1-1}}{(x_1-1)!}\cdot 1 = \mu_1.$$
6. Page 161, line 2 and line 6, replace p_{k-1} with p_k.
7. Page 190, line 2, lower limit of integral is $-\infty$.
8. Page 210, Part (d) of Exercise 3.5.21: Not $(1/2)\overline{X}$ but $2\overline{X}$.
9. Page 223, Exercise 3.7.4, replace $\alpha = \beta = 2$ with $\alpha_1 = \beta_1 = \alpha_2 = \beta_2 = 2$.
10. Page 224, Exercise 3.7.10, the bounds on k are $-\tau < k < \alpha\tau$.

11. Page 224, Exercise 3.7.11. The parameter λ for the random variable θ should be $\beta = 1/h$ and the unconditional pdf of X is

$$\frac{\Gamma(\alpha+k)\Gamma(x+h)\Gamma(\alpha+h)\Gamma(x+k)}{\Gamma(\alpha)\Gamma(k)\Gamma(h)\Gamma(\alpha+h+x+k)x!}, \quad x = 0, 1, 2, \ldots.$$

12. Page 224, Exercise 3.7.12, since $\alpha > 0$, for the geometric pmf use

$$g(\alpha) = p(1-p)^{\alpha-1}, \quad \alpha = 1, 2, 3, \ldots.$$

13. Page 229, line 11, replace $[n/(n-1)]\sigma^2$ with $[(n-1)/n]\sigma^2$.

14. Page 370, line 2, replace $1 - \frac{\epsilon}{2}$ with $1 - \epsilon$.

15. Page 682, In the second row of the table of results, replace $\widehat{\delta}$ with $\widehat{\tau}$.

16. Page 722, in the answer to Exercise 1.7.20, replace $5 + y$ with $1 + 5y$.

17. Page 727, answer for Exercise 6.3.17 is 0.0086 not 0.0172.