Errata for the SOLUTIONS MANUAL for the textbook "Probability and Statistics – The Science of Uncertainty", Second Edition, by M.J. Evans and J.S. Rosenthal. As of Fall 2024.

(These errata will be added to the online version later.)

• Problem 1.4.18: We should also allow the possibility of both hands having ZERO spades, i.e. the sum should go from $i = 0$ not $i = 1$.

• Challenge 1.5.16: The beginning of the solution is correct, but then $\sum_{i=1}^{6} q_{12-i}$ does not equal $\sum_{j=7}^{12} q_j$, it equals $\sum_{j=6}^{11} q_j$, so that the "6+5+4+3+2+1" there should be "5+6+5+4+3+2" (and similarly in the fractions out of 36 just before), which equals 25 instead of 21, giving an answer 5/25 not 5/21.

• Problem 2.2.9: "$w \in \{0, 1, ..99\} \cap \{0, 11, 22, 33, \ldots, 99\}$" should be "$w \in \{0, 1, ..99\} \setminus \{0, 11, 22, 33, \ldots, 99\}$", i.e. setminus instead of intersection.

• Exercise 2.3.15(b): $(0.65)^{10}$ should be $(0.65)^9$, since there are just 9 misses before the first score.

• Exercise 2.5.8: In part (a), $F_Y(3/4) = 1$ not $1 - (3/4)^3$, and $F_Y(1/3) = (1/3)^3$, so the answer should be $1 - (1/3)^3 = 26/27$. And, in part (c), $F_Y(1/2) = 1$ not $1 - (1/2)^3$, so the answer should be $1 - (1/2)^3 = 7/8$.

• Exercise 2.5.15(a): $e^{-4/5}$ should be $e^{-(4/5)^2}$ (twice).