

## Errata and updates for ASM Exam SRM Study Manual (Third Edition) sorted by date

- [3/13/2023] On page 274, on the line above the first displayed expression, change “mean square error” to RSS. One line and three lines below the displayed expression, change MSE to RSS.
- [3/13/2023] On page 295, replace the solution to exercise 16.5 with the following:  
Splits I and III don't split at all; all observations go into  $R_2$ . Split II puts (4,1) into  $R_2$  and everything else into  $R_1$ . There is no error for (4,1), whereas the error of the other 5 is the square difference from the mean, or the population (division by 5) variance times 5, which is 0.548. Split IV puts (1,0) into  $R_1$  and everything else into  $R_2$ . Once again, we can compute the RSS as the variance in  $R_2$ , or 0.2824, times 5, or 1.412. Split V puts two observations, (3,2) and (2,2), into  $R_2$  and the others into  $R_1$ . The variance of the observations in  $R_1$  is 0.451875 so the sum of squares is  $4(0.451875) = 1.8075$ . The RSS for  $R_2$  is  $(1.5 - 1.75)^2 + (2 - 1.75)^2 = 0.125$ . The total RSS for this split is  $1.8075 + 0.125 = 1.9325$ . Split II minimizes the RSS. **(B)**
- [9/8/2022] On page 262, in exercise 15.10, in the three bullets, the models should be numbered as Model I, Model II, and Model III respectively.
- [3/29/2022] On page 295, in the solution to exercise 16.8, on the fifth line, change “ $86 + 82 + 81 + 4(9) = 286$ ” to  $82 + 81 + 11 + 86 + 4(9) = 296$ .