

Errata

Fundamentals of Supply Chain Theory — Snyder and Shen — Second Edition

Last updated: April 2, 2020

1. p. 122, 2 lines before (4.77): change to $\mu_L = \mu(L + 1)$ and $\sigma_L^2 = \sigma^2(L + 1)$
2. p. 149, Problem 4.31: add “Assume $L = 0$.”
3. p. 245, line 1: change “chapter” to “section”
4. p. 278, Example 8.1: the optimal costs given in this example are off by a factor of 10; change \$783,813, \$521,713, and \$262,100 to \$7,838,134, \$5,217,134, and \$2,621,000, respectively; and change the last sentence to: “The 9-facility solution shown in Figure 8.1(a) has a total cost of \$14,800,585 (\$9,546,000 fixed cost plus \$5,254,585 transportation cost), while the 3-facility solution in Figure 8.1(b) has a total cost of \$12,389,114 (\$5,128,000 fixed cost plus \$7,261,114 transportation cost).”
5. pp. 291–295, Example 8.3: multiply all costs throughout this example (including in Tables 8.1 and 8.2 and the captions to Figures 8.5–8.7) by 10
6. p. 300, Example 8.4 and Figure 8.8: change \$386,856 to \$3,868,564
7. p. 301, Example 8.5: multiply all costs throughout this example (including Figure 8.9) by 10
8. p. 304, Example 8.6: change \$391,314 to \$3,913,136
9. pp. 473–475, several places: change $(\overline{VRP} - \overline{SC})$ to $(\overline{VRP-SC})$ [this error *only* occurs in the second printing]
10. p. 368, after Q^* equation: change (??) to (9.22)
11. p. 399, Problem 9.15: change (??) to (9.22)

The following errors have been corrected in the second printing of the second edition:

1. p. 21, first line after (2.37): change “ $y^i \in \{0, 1\}$ ” to “ $y^i \in \{-1, 1\}$ ”
2. p. 21, paragraph 1, last line: change “0 otherwise” to “-1 otherwise”
3. p. 22, Example 2.9, line 4: change “ $y^i = 0$ ” to “ $y^i = -1$ ”
4. p. 40, Problem 2.5(a): add “using $\alpha = 0.2$, $\beta = 0.3$, and $\gamma = 0.1$ ”
5. p. 83, Problem 3.21: remove λ from denominator of first term on right-hand side, and add “and (3.5)” after “prove (3.4)”

6. p. 146, Problem 4.17: replace left-hand side of (4.101) with " $\hat{B}_2 =$ "
7. p. 148, Problem 4.26: add "(3)" before "drivers who purchase"
8. p. 153, Problem 4.46(a): change " $(L + 1)\mu$ " to " $(L + R)\mu$ "
9. p. 182, Problem 5.3: replace "Using the EIL approximation for (r, Q) policies in Section 5.3.1, find approximate values for r and Q ." with "Find r and Q using each of the methods below."
10. p. 278, Example 8.1: change "the median home value" to "10 times the median home value"
11. p. 326, Example 8.10, paragraph 2: add sentence at end: "The optimal solution has objective function value \$4,678,145."
12. p. 349, Problem 8.41, line 2: change "8.72" to "(8.72)"
13. p. 381, Example 9.10: change "variance of $\sum_{i=1}^3 \sigma_i^2 Q_i + 100$ " to "variance of $\sum_{i=1}^3 \sigma_i^2 Q_i + 100^2$ "
14. p. 400, Problem 9.20: change left-hand side of (9.83) to " $\mathbb{E}_{\mathbf{X}}[F(Q_i^* + W_{T-i}^*)]$ "
15. p. 415, (10.20): change last term from " $+\frac{1}{2}(s - 1)$ " to " $-\frac{1}{2}(s + 1)$ "
16. p. 459, Problem 10.21: change "Stenghtened" to "Strengthened"
17. p. 470, equation after (11.25): change " i " to " h " in both "if" conditions
18. p. 484, Algorithm 11.5, line 4: change " $i \in N^-$ " to " $i \in N$ "
19. p. 505, Problem 11.4: delete "and indicate the total distance of the routes"
20. p. 505, Problems 11.6 and 11.7: delete "and their total distance"
21. p. 507, Problems 11.8 and 11.9: change " $\lceil \frac{n}{Q} \rceil$ " to " $\lceil \frac{n}{C} \rceil$ "
22. p. 507, Problem 11.10: change "Optimal VRP Length" to "Optimal TSP Length" and "VRP route" to "TSP tour" (this problem actually belongs in Chapter 10, but has been left in Chapter 11 for consistency)
23. p. 641, Problem 16.1: add " $x_0 = 0$, and $\theta_{T+1}(x) = 0$ for all x " to end of last sentence