

Errata for *Quantitative Models for Performance Evaluation and Benchmarking: Data Envelopment Analysis with Spreadsheets and DEA Excel Solver*

Page	Correction
7	<p>The LP below model (1.4) should be (the right-hand-side)</p> <p>Max $s_1^- + s_2^- + s_1^+$</p> <p>Subject to</p> <p>1 $\lambda_1 + 2\lambda_2 + 4\lambda_3 + 6\lambda_4 + 4\lambda_5 + s_1^- = 6\theta^* = 6$</p> <p>5 $\lambda_1 + 2\lambda_2 + 1\lambda_3 + 1\lambda_4 + 4\lambda_5 + s_2^- = \theta^* = 1$</p> <p>2 $\lambda_1 + 2\lambda_2 + 2\lambda_3 + 2\lambda_4 + 2\lambda_5 - s_1^+ = 2$</p> <p>$\lambda_1 + \lambda_2 + \lambda_3 + \lambda_4 + \lambda_5 = 1$</p> <p>$\lambda_1, \lambda_2, \lambda_3, \lambda_4, \lambda_5, s_1^-, s_2^-, s_1^+ \geq 0$</p>
9	<p>Formula (1.6)</p> <p>The objective of (1.6) should be</p> $\max \phi + \varepsilon \left(\sum_{i=1}^m s_i^- + \sum_{r=1}^s s_r^+ \right)$
13	<p>Table 1.2</p> <p>The objective of “Output-Oriented” model should be</p> $\max \phi + \varepsilon \left(\sum_{i=1}^m s_i^- + \sum_{r=1}^s s_r^+ \right)$
6 & 92	<p>Figure 1.2 & Figure 4.1</p> <p>The title for horizontal axis (x1) should be Total supply chain cost (\$100)</p> <p>The title for vertical axis (x2) should be Supply chain response time (days)</p>
94	<p>Table 4.2</p> <p>The objective of “Output-Oriented” model should be</p> $\max \left(\frac{\sum_{r=1}^s B_r \phi_r}{\sum_{r=1}^s B_r} + \varepsilon \sum_{r=1}^s s_r^+ \right)$
15	<p>line5, “Cell D22=\$F\$19*INDEX (C2:C16, E18, 1)” should read “Cell D22=\$F\$19*INDEX (D2:D16, E18, 1)”</p>
25	<p>in figure1.23 Second-stage Slack Spreadsheet Model, cell C20 to C24 “≤, ≤, ≤, ≥, ≥” should be “=, =, =, =, =,” As a results, the inequalities in Constraints in the Solver parameters (figure 1.24) should be “=”.</p>
26	<p>line9, “ Cell D22=INDEX(J2:J16,E18,1)* INDEX(C2:C16,E18,1)” should read “Cell D22=INDEX(J2:J16,E18,1)* INDEX(D2:D16,E18,1).”</p>
35	<p>line3, “INDEX (OutputProduced, A2, 0) returns the first outputs across all DMUS” should read “INDEX (OutputProduced, A2, 0) returns all outputs of DMU1”</p>
36	<p>line9, “cell C20 (efficiency)” should read “cell C21”</p>
37	<p>Figure 1.38, “Dim NDMUs As Integer, NInputs As Integer, NOutput As Integer” should read “Dim NDMUs As Integer, NInputs As Integer, NOutputs As Integer”</p>

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42	line3, “Cell D22=INDEX (C2:C16, E18, 1)” should read “Cell D22=INDEX (D2:D16, E18, 1)”
48	line 10, “Cell D22=INDEX (C2:C16, E18, 1)” should read “Cell D22=INDEX (D2:D16, E18, 1)”
49	figures 2.1 and 2.2, The “Efficiency Scores (Cells J2:J16)” of the two figures should be the same.
68	line 7, “columns K and L” should read “columns J and K”
69	line3, “Theorem 3.7” should read “Theorem 3.6”
86	line4, “C9:C11” should read “D9:D11”
87	Lines 3, 4, 5, “Cell C9”, “Cell C10”, and “Cell C11” should read “Cell D9”, “Cell D10”, and “Cell D11”
101	Line 14, “ $W = \{w \mid w \in R^s, w_r \geq 0 \text{ and } \sum_{r=1}^s w_r\}$ ” should read “ $W = \{w \mid w \in R^s, w_r \geq 0 \text{ and } \sum_{r=1}^s w_r = 1\}$ ”

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