

**Errata and Corrigenda for *Using MATLAB to Solve Statistical Problems: A Practical Guide to the Book “Statistics for Chemical and Process Engineers”***

**Last Update:** May 27<sup>th</sup>, 2026

Page, line	Current Form	Correction
§4.2.3	The A matrix that was provided was incorrect which means it propagated down to make further errors. However, the values computed are all correct (but missing one column). Only the corrections are noted. The remaining code is correct	
§4.2.3, A	$A=[\text{ones}(l^k,1),x,x(:,1).*x(:,2), x(:,1).*x(:,3),\dots$ $x(:,1).*x(:,4), x(:,2).*x(:,3),x(:,2).*x(:,4),\dots$ $x(:,3).*x(:,4), x(:,1).*x(:,2).*x(:,3),\dots$ $x(:,1).*x(:,2).*x(:,4),x(:,2).*x(:,3).*x(:,4),\dots$ $x(:,1).*x(:,2).*x(:,3) .*x(:,4)];$	$A=[\text{ones}(l^k,1),x,x(:,1).*x(:,2), x(:,1).*x(:,3),\dots$ $x(:,1).*x(:,4), x(:,2).*x(:,3),x(:,2).*x(:,4),\dots$ $x(:,3).*x(:,4), x(:,1).*x(:,2).*x(:,3),\dots$ $x(:,1).*x(:,2).*x(:,4), \mathbf{x(:,1).*x(:,3).*x(:,4),\dots}$ $x(:,2).*x(:,3).*x(:,4), \dots$ $x(:,1).*x(:,2).*x(:,3) .*x(:,4)];$
§4.2.3, betaDOEr	[70.0625, 10.8125, 4.9375, 7.3125, -9.0625, 8.3125, -0.5625, -1.3125]	[70.0625, 10.8125, 4.9375, 7.3125, -9.0625, 8.3125, -0.5625, <b>-0.8125</b> ]

Page, line	Current Form	Correction
§4.2.3, SSR <sub>i</sub>	>> SSR <sub>i</sub> = SSR <sub>i</sub> =diag(Fr).*betaDOEr.^2 >> 1.0e+04 * [7.8540 0.1871 0.0390 0.0856 0.1314 0.1106 0.0005 0.0028]	>> <b>SSR<sub>i</sub></b> =diag(Fr).*betaDOEr.^2 >> 1.0e+04 * [7.8540 0.1871 0.0390 0.0856 0.1314 0.1106 0.0005 <b>0.0011</b> ]
§4.2.3, SSE	...>> 162.5	...>> <b>179.5</b>
§4.2.3, F <sub>i</sub>	1.0e+03 * [3.8666 0.0921 0.0192 0.0421 0.0647 0.0544 0.0002 0.0014]	1.0e+03 * [3.8666 0.0921 0.0192 0.0421 0.0647 0.0544 0.0002 <b>0.0005</b> ]

### Appendix A: Corrected Figure 7

