

## Errata for Second Edition of *DOE Simplified*

- Additions shown in **red** and deletions via ~~strikethrough~~.
- Asterisked\* errata corrected in latest reprint(s).

Page 26, The superscript "2" (squared symbol) on the "S" in the numerator (top), did not get printed in this formula on the middle of the page. It was correct in the manuscript ( $S^2$ ). See below (change in red):

$$F = \frac{n * S_{\bar{Y}}^2}{s_{\text{pooled}}^2} = \frac{14 * 0.029}{2.28} = 0.18$$

Page 159, The formula for desirability  $d_2$  should start with 1 as the upper threshold, not 1-2. That changes the subsequent calculations, which should be as follows (changes in red):

$$d_2 = \left( \frac{1 - 0.7}{1 - 0} \right) = \left( \frac{0.3}{1} \right) = 0.30$$

$$D = (0.40 * 0.30)^{\frac{1}{2}} = \sqrt{0.12} = 0.35$$

Page 166, Table 9-4 is not the one intended for publication in this second edition, it is the ANOVA for the prior example (gold-copper mixture) that the authors intended to delete (too much information!). It should be the following table that appeared in the first edition (cut by mistake):

**Table 9-4: Teeny beany mixture design (three-component)**

<b>Blend</b>	<b>A: Apple %</b>	<b>B: Cinnamon %</b>	<b>C: Lemon %</b>	<b>Taste Rating</b>
Pure	100.00	0.00	0.00	5.1, 5.2
Pure	0.00	100.00	0.00	6.5, 7.0
Pure	0.00	0.00	100.00	4.0, 4.5
Binary	50.00	50.00	0.00	6.9
Binary	50.00	0.00	50.00	2.8
Binary	0.00	50.00	50.00	3.5
Centroid	33.33	33.33	33.33	4.2, 4.3

Page 239, Installation step 2 should read "...click Install Design-Ease 7.1 to install the software." – delete ~~Click OK~~.