

Errata for "DOE Simplified"

*(These errors are corrected in the books printed most recently.)

Page 5, book cited in sidebar is **Statistics for Experimenters**, not Design and Analysis of Experiments (**correction in bold**)

*Page 26, formula for F wrong: missing square on S for Y-bar. It should read:

"Therefore, for toss one of the colored dice:

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

Page 45, caption for Figure 2-1 "... (for ~~fits~~ **first** toss only)

Page 34, formula for F wrong: 14 instead of 4 multiplied by 176.9. It should read:

"The F-test with no correction for blocks is shown below:

$$F = \frac{ns_{\bar{Y}}^2}{S_{\text{pooled}}^2} = \frac{4 * \text{Var}(20.6, 25.3, 46.5, 33.1, 56.1, 39.6)}{367.8} = \frac{4 * 176.9}{367.8} = 1.92 "$$

*Page 43, "The ~~second~~ **third** factor, power"

Page 45, "the three-factor cube in Figure 3-2 **1**

*Page 52, Table 3-6, last column for Y₂, the value in the last row in Table 3-6 should be **0.3** rather than 0.5.

Page 54, "cannot be detected by ~~one~~ traditional one factor at a time..."

Page 56, first sentence in sidebar on popcorn tastes should read 1(**worst**) to 10(**best**), not 1(best) to 10(~~worst~~).

*Page 85, rule-of-thumb in sidebar missing multiple of two-times. It should read:

"For simple comparison, where only two varieties are tested on a split mail-list, the following rule-of-thumb is often applied: If the difference between the test results is **two-times** greater than the square root of the total, it is a significant difference."

Page 96, Last paragraph, third sentence, "**The** ~~Other~~ fifteen two-factor interactions..."

Page 107, Table 5-12, data shown for **Line** are reversed: 4 should be **2** and 2 should be **1**.

*Page 121 last paragraph, "Add ~~this~~ **these** data to the design..." (data are plural)

*Page 134, Table 7-7, last column on Commute time needs more decimals as shown:

27.42, 29.1; 29.02, 28.71; 28.51, 27.43; 33.657, 32.91, 30.71, 29.12; 29.8, 30.94

*Page 153, caption for figure has an extra "e" in "teeny". It should read:

"Figure 9-4: 3-D response surface for taste of **teeny** beanies."

Page 172, Figure 10-18, change labels B+ to **C+** and B- to **C-**.

*Page 173 last paragraph, last 5 sentences printed should be rewritten as follows:

~~However, Factor G, neon lighting, begs belief. This was put in as a factor because the generator needed to power the lights creates some drag. But Notice that the times actually **do** decrease when the lights go on (G+). However, Perhaps there's some sort of psychological impact on the skater, but this is a stretch. More likely, what's listed as G **could be** is really an aliased effect.~~

Page 184, Macomb web site www.macomb.k12... is now at <http://www.misd.net/mathematics/hsmathscience.htm>

Page 231, bottom of page web site www.statease.com/simplified should be <http://www.statease.com/simplified.html>

Page 234, list of materials included with CD-ROM should be bulleted, not prefaced by numbers (1, 1 and 2)

*Page 236, names of icons for the tutorial are not correct and word "the" missing. It should read: "1. Double click on the **Design-Ease User Guide** icon in the Stat-Ease group. Adobe Acrobat Reader is launched automatically.

- Or -

Click on the Adobe Acrobat Reader software icon; next click on **File, Open** and select the desired tutorial from the **DE6P/User Guide** folder. The file names correspond to sections in **the** user manual."

(This is subject to change if more CD-ROMs are needed by the publisher because the installation process may be modified.)