

## (More) Errata for *Stats: Modeling the World*, 2<sup>nd</sup> edition

(Sorry there are two lists – I lost the source file for the first set to a disk crash, so I can't edit that page and I'm too lazy to type all of those in again. - Dave)

### Text:

Page	Correction
276	In the Parameter column, the $r$ should be $\rho$ (lowercase rho).
411	In the Notation Alert, one digit of $\pi$ is missing. It should be 3.1415926...
504	The P-value inequality is reversed; it should be $2P(z \geq 3.33)$
529	Change the 38 in the TI Tips data to <b>28</b> (to match the data on p520 (and thus get the results shown here and on p533))
533	See the note for p529 above.
560	The last subscript in the last formula in the Pooled $t$ -test box is incorrect. The parentheses should contain the difference $\bar{y}_1 - \bar{y}_2$

### Answers:

Exercise	Correction
6.45-49	This set of answers are mis-numbered. 45. For the avg Dutch man $z = 2.31$ ; About 1% of Greek men are taller. 46. Woman's mouth is larger ( $z = 2.88$ vs 2.66 for men). 47. Mean 12.1 months, SD 1.3 months 48. Mean 3 lb, SD 1.3 lb 49. a) 5.3 grams (etc)
9.23b	The $y$ -intercept is missing a negative sign.
15.31a	95.6% (We were never very good at subtraction...)
18.33	About <b>21.4%</b> based on $N(2.869, 0.165)$
19.3c	Don't proceed – not an SRS (risk of nonresponse bias).

### Solutions manual:

Page	Exercise	Correction
317	18.33	The mean & SD of individual scores should be 2.869 and 1.312. The model for means of samples of 63 is $N(2.869, 0.165)$ . The probability is 0.214.
420	24.3d	CPMP students have a <b>lower</b> mean score

### PTB&RG:

Page	Correction
0-5	The FAQ website is <a href="http://www.mrderksen.com/faq.htm">http://www.mrderksen.com/faq.htm</a>
5-17	Quiz A Key: 4d. The <b>senior</b> class had the most symmetric...
10-13	The third point is (8, <b>1</b> ), not (8, 2)
II-6	Part II Test B, choice 9D should say " <b>lower</b> " (Note: E is "higher")
II-15	Answer: 5. <b>A</b>
III-1	Test A question 2; make two edits to remove age as an issue: <ul style="list-style-type: none"> <li>In the stem, delete "aged 13-17"</li> <li>Rewrite statement I as "The population of interest is all U.S. teenagers."</li> </ul>
III-7	7D) Delete "of the"
15-8	Reword 3c: ...randomly selected <b>student is a female who</b> ate breakfast? (Note that the solution key already answers this question.)
17-7,8	#4 (question and solution): "... at least 3 of the first <b>10</b> ...", not 40
25-10	#1 Should be a 2-tailed test.

VI-5	#12: The Nearly Normal Condition should refer to <b>Hours of TV</b> , not credit hours
VII-1	#1c: The second sentence should read “She records the number of loose cement bonds in each of 40 ...”. As currently written a test for the difference of proportions is also a correct answer.