

June 10, 2005

Corrections to *The Cartoon Guide to Statistics*, Larry Gonick and Woollcott Smith

A number of corrections were made in the 5th printing of the Cartoon Guide to Statistics. The following are corrections to errors that have been found after the 5th printing.

Page	Position	In text	Change to
18	Bottom box	$\bar{X} = 45.8!$	$\bar{X} = 44.4!$
21	Top: line 4 in Stem-and-Leaf	12: 00012355 <b>555</b>	12: 00012355 <b>555</b>
21	Top right box diagram	left-end of box appears to extend only to 130.	left-end of box should extend to the first quartile, <b>125</b> .
40	Bottom	faces sum to three?	faces sum to three (event A)?
47	Bottom	Bayes (1744-1809)	Bayes (1701-1761)
50	Fourth line from top	From 1 in 1000 to 1 in 23	From 1 in 1000 to 1 in <b>21</b>
56	Bottom panel	Y axis tick labels: 1/16, 2/16, 3/16, 4/16, 5/16, 6/16	Y axis tick labels: 1/36, 2/36, 3/36, 4/36, 5/36, 6/36
68	Center panel	$E[X] = 0 \cdot p(0) = 1 \cdot p(1)$	$E[X] = 0 \cdot p(0) + 1 \cdot p(1)$
82	Top	$\sigma = n p(1 - p)$	$\sigma = \sqrt{n p(1 - p)}$
86	Top	$\sigma = n p(1 - p) = 2.5$	$\sigma = \sqrt{n p(1 - p)} = 2.5$
87	Top	hideous	hideous-looking, but easy to use,
107	Middle	$s = \frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2$	$s = \sqrt{\frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2}$
110	Bottom	single observation	single sample
114	Bottom	this is a single observation	this is a single estimate
118	In four different lines	$\sigma(p)$	$\sigma(\hat{p})$
119	Bottom	3% margin of error.	3-percentage- point margin of error.
124	Middle	$\hat{p} + E$	$\hat{p} \pm E$
150	Top	Chapter 8	Chapter 7
168	Third line from bottom	Standard deviations $s_1$ and $s_1$	Standard deviations $s_1$ and $s_2$
171	Top right	$\sqrt{\frac{s_{pool}^2}{n_1} + \frac{s_{pool}^2}{n_2}}$	$\sqrt{\frac{s_{pool}^2}{n_1} + \frac{s_{pool}^2}{n_2}}$
171	Lower	$\sqrt{\frac{4.229^2 + 6.328^2}{10}}$	$\sqrt{\frac{4.229^2 + 6.238^2}{10}}$
171	Top right	$n_1 - n_2 - 2$	$n_1 + n_2 - 2$
205	Top	$= -200 + 5(76) \pm (2.365)(25.15)$	$= -200 + 5(76) \pm (2.365)(25.15) \sqrt{0.3777}$