《基礎統計學》誤表

頁數	原文	修正
2-2 表 2.1	高中職人數	人數
2-4 表 2.4	上界、下界	下界、上界
2-11 圖 2.8	座標 10, 20, 30, …, 100	15, 25, 35, …, 105
2-12 圖 2.9	座標 10, 20, 30, …, 100	15, 25, 35, …, 105
3-9	$Q_3 = x_{([\frac{75\times 50}{100}]+1)}) = X_{(38)} = 74$	$Q_3 = x_{([\frac{75\times 50}{100}]+1)} = X_{(38)} = 74$
3-21~3-23 例 3.25	定價	廣告費(x)
3-33 -2	有相關一定有因果關係	有相關不一定有因果關係
4-10	$A \cup B = \varnothing$	$A \cap B = \varnothing$
4-20	$P(S\mid E_4) = \frac{55}{3000}$	$P(S\mid E_4) = \frac{55}{200}$
4-20	$= \frac{\frac{35}{300}}{\frac{450}{3000}+\frac{110}{3000}+\frac{35}{3000}+\frac{55}{3000}}$	$= \frac{\frac{35}{3000}}{\frac{450}{3000}+\frac{110}{3000}+\frac{35}{3000}+\frac{55}{3000}}$
5-20	$X \sim B(500, 10, 50)$	$X \sim H(500, 10, 50)$
5-22	$\binom{1000}{0}\left(\frac{1}{100}\right)^{10}\left(\frac{99}{100}\right)^{990}$	$\binom{1000}{10}\left(\frac{1}{100}\right)^{10}\left(\frac{99}{100}\right)^{990}$
5-23	$e^{-10}\frac{10^{10}}{0!}$	$e^{-10}\frac{10^{10}}{10!}$
5-25 L1	= 0.0053+0.0345 = 0.0398	= 0.0053+0.0292 = 0.0345
7-11	$0.7883 = 7.8831/\sqrt{10}$	$0.7883 = 7.8831/\sqrt{100}$
7-20	$\chi^2_{4,0.001} = 13.2767$	$\chi^2_{4,0.01} = 13.2767$
8-3	未患肺癌人數 1760000, 5552000	未患肺癌人數 1976000, 5952000
8-19 例 8.6	$t = \frac{\bar{x}-\mu_0}{s/\sqrt{n}} = \frac{78-75}{14.5/\sqrt{81}} = 1.8621$	$t = \frac{\bar{x}-\mu_0}{s/\sqrt{n}} = \frac{78-75}{16/\sqrt{81}} = 1.6875$
8-24 L3	μ 的 95% 信賴區間	μ 的 90% 信賴區間
9-18 L-6	170	171

10-11 例 10.11	$e = 1.96 \times \frac{0.25 \times 0.75}{1000} = 0.0268$	$e = 1.96 \times \sqrt{\frac{0.25 \times 0.75}{1000}} = 0.0268$
11-4 L-4 L-3	= 100(0.0392) = 3.92 $\chi^2 = 3.9 < \chi^2_{6,0.05} = 12.5916$	= 100(0.0387) = 3.87 $\chi^2 = 3.87 < \chi^2_{6,0.05} = 12.5916$
11-5 L3 L4	= 1000(0.0392) = 39.2 $\chi^2 = 39.2 > \chi^2_{6,0.05} = 12.5916$	= 1000(0.0387) = 38.7 $\chi^2 = 38.7 > \chi^2_{6,0.05} = 12.5916$
12-26 表 12.12	$\bar{y}_{12.} = 85.5$	$\bar{y}_{12.} = 85.8$
12-27	$B = 5 \cdot ((78.2-78)^2 + (85.5-78)^2 + (68.6-78)^2 + (75.4-78)^2 + (74-78)^2 + (82-78)^2) = 1050.4$	$B = 5 \cdot ((78.2-78)^2 + (85.8-78)^2 + (68.6-78)^2 + (75.4-78)^2 + (75.2-78)^2 + (84.8-78)^2) = 1050.4$
13-9	$\bar{y} = ... = \frac{1140}{15} = 76.2667$	$\bar{y} = ... = \frac{1144}{15} = 76.2667$
13-10	$\hat{\beta}_1 = ... = \frac{1167}{3479.3} = 0.42776$	$\hat{\beta}_1 = ... = \frac{1488.33}{3479.3} = 0.42776$
13-18 例 13.5	$\hat{\sigma}^2 = \frac{SSE}{n-2} = MSE = \frac{42.28}{13} = 35.56$	$\hat{\sigma}^2 = \frac{SSE}{n-2} = MSE = \frac{462.28}{13} = 35.56$