

頁碼	行數	原文	變動部分
28	5	$Var(c_1X_1 \pm c_2X_2) = c_1 Var(X_1) + c_2 Var(X_2) \pm 2c_1c_2 Cov(X_1, X_2)$	$Var(c_1X_1 \pm c_2X_2) = c_1^2 Var(X_1) + c_2^2 Var(X_2) \pm 2c_1c_2 Cov(X_1, X_2)$
81	圖 3-2	$\hat{Y} = \hat{\beta}_1 + \hat{\beta}_2$	$\hat{Y} = \hat{\beta}_1 + \hat{\beta}_2 X$
90	式 (3.5.2)	$= E(\hat{\beta}_2 - \beta_2)^2 = E\left(\frac{\sum X'_t \varepsilon_t}{\sum X_t'^2}\right)^2 = \frac{\sum X_t'^2 E(\varepsilon_t^2)}{(\sum X_t'^2)^2} = \frac{\sigma^2}{\sum X_t'^2}$	$= E(\hat{\beta}_2 - \beta_2)^2 = E\left(\frac{\sum X'_t \varepsilon_t}{\sum X_t'^2}\right)^2 = \frac{\sum X_t'^2 E(\varepsilon_t^2)}{(\sum X_t'^2)^2} = \frac{\sigma^2}{\sum X_t'^2}$
128	式 (4.4.2)	$= E[Y_0 - E(Y_0)]^2 + [E(Y_0) - \hat{Y}_0]^2 + 2 E[Y_0 - E(Y_0)][E(Y_0) - \hat{Y}_0]$ $= E[Y_0 - E(Y_0)]^2 + [E(Y_0) - \hat{Y}_0]^2$	$= E[Y_0 - E(Y_0)]^2 + E[E(Y_0) - \hat{Y}_0]^2 + 2 E[Y_0 - E(Y_0)][E(Y_0) - \hat{Y}_0]$ $= E[Y_0 - E(Y_0)]^2 + E[E(Y_0) - \hat{Y}_0]^2$
130	例題 4.4.1	$Y_0 = 70.9996 + 0.01129 \times 500 = 76.6446$	$\hat{Y}_0 = 70.9996 + 0.01129 \times 500 = 76.6446$
136	圖 5-1 (b)	$\alpha > 0, \beta > 0$	$\alpha > 0, \beta < 0$
137	圖 5-3 (b)	$-\alpha$	α
179	倒數 第 1 行	$\bar{X}^w = \frac{\sum W_t X_t}{\sum W_t} = \frac{\sum \frac{1}{X_t}}{\sum \frac{1}{X_t^2}} = \frac{\frac{1}{11}}{2\left(1 + \frac{1}{4} + \frac{1}{9} + \frac{1}{16} + \frac{1}{25}\right) + \frac{1}{11}} = 0.030120986$	$\bar{X}^w = \frac{\sum W_t X_t}{\sum W_t} = \frac{\sum \frac{1}{X_t}}{\sum \frac{1}{X_t^2}} = \frac{\frac{1}{11}}{2\left(1 + \frac{1}{4} + \frac{1}{9} + \frac{1}{16} + \frac{1}{25}\right) + \frac{1}{11^2}} = 0.030120986$
186	例題	考慮一組 22 個家庭樣本	考慮一組 23 個家庭樣本

	7.3.1	樣本數 2	樣本數 3
191	例題 7.3.2	$\frac{Y_{it}}{S_i} = 64.6534 \left(\frac{1}{S_i} \right) + 0.060478 \left(\frac{X_{it}}{S_i} \right) + e_t$ $R^2 = 1 - \frac{\sum (Y_{it} - 64.6534 - 0.060478 X_{it})^2}{\sum Y_{it}^2} = 1 - \frac{87573.40}{384323.93} = 0.7721$	$\frac{Y_{it}}{S_i} = 64.6534 \left(\frac{1}{S_i} \right) + 0.060478 \left(\frac{X_{it}}{S_i} \right) + e_t$ $R^2 = 1 - \frac{\sum (Y_{it} - 64.6534 - 0.060478 X_{it})^2}{\sum Y_{it}^2} = 1 - \frac{87573.40}{384323.93} = 0.7721$
247	14	$H_0 : \rho_1 = \rho_2 = \dots = \rho_p$	$H_0 : \rho_1 = \rho_2 = \dots = \rho_p = 0$
248	6	$H_0 : \theta_1 = \theta_2 = \dots = \theta_q$	$H_0 : \theta_1 = \theta_2 = \dots = \theta_q = 0$
320	4	$\sum_{j=2}^K \sum_{k=2}^K (X_{ij} - \bar{X}_j)(X_{ik} - \bar{X}_k) \text{Cov}(\hat{\beta}_j, \hat{\beta}_k)$	$2 \sum (X_{ij} - \bar{X}_j)(X_{ik} - \bar{X}_k) \text{Cov}(\hat{\beta}_j, \hat{\beta}_k)$ $(j, k = 2, \dots, K ; j < k)$
320	9	由於 X_i 均不相同會，導致 $\sigma_{\hat{\gamma}}^2$ 亦不相同	由於 X_i 均不相同會導致 $\sigma_{\hat{\gamma}}^2$ 亦不相同
430	倒數 2	具有確定的函數形式	具有確定的函數形式
432	6	$\pi^2/3$	$\pi^2/3$
612	例 17.4.5 倒數 5	檢定統計量 $T(\hat{\phi}_T - 1)/(1 - \hat{\rho}_1)$ 與 τ_μ	檢定統計量 $T(\hat{\phi}_T - 1)/(1 - \hat{\rho}_1)$ 與 τ_τ