Ordinary: (y-xb) (y-xb) for Aitken model, bols: To minimize Yi~Voer(yi) t 考虑相关关系」 Greneralized: bals: To minimize cy-xb) v-(y-xb) 当V=GZI对, BGLS和BOLS等作。 大多数幅况bols 领法分的超为 Gauss Markov Model (i.e. 不同变量之间 元元国等方差的情况) bals 解决约问题的 Aitken Model. (U)对 对 局面的 (y- Xb)T(y-Xb) 此行加权,消除 足险的 相关性的影响) $y_1 = x_1 b + e_1$ 直指从 e.9 . : y_xb) V (y-xb) yz = xzb+ez $\mathcal{O} V = \text{vor}(e) = \begin{pmatrix} 2 & 0 \\ 0 & 1 \end{pmatrix}$ 来篇: v = (½ °) cy-xb) TV- (y-xb) = /2 (y-xb) + 1 (x-x2b) 将压模型的尺度多则 @ V=var(e)=(1/2) V-1=4(1-1/2) $(y-xb)^{T}V^{-1}(y-xb) = \frac{4}{3}(e_1 e_2)(-\frac{1}{2})(e_1)$ $= \frac{4}{3}(e_1-\frac{1}{2}e_2-\frac{1}{2}e_1+e_2)(e_1)$ $= \frac{4}{3}(e_1-\frac{1}{2}e_2-\frac{1}{2}e_1+e_2)(e_1)$ = \frac{4}{5} \left(e_1^2 - \frac{1}{5} e_1 e_2 + e_2^2 - \frac{1}{5} e_1 e_2 \right)

Outline: D Expectation & Variance for y, b, ŷ, 62

(2) BLUE \ \times \lambda Tbols Granss-Markon Model: y= xb te RVRT = I (How to find?)

Ry = R(xb + e) Aitken Model: == Ub +f Finally, what if XT bols is the one we come about? XIX b = XTy ? & j = 42 N bays is BLUE, sections:3 Section 5.3 UTUb-UTY 名的的超有何对 XTXb=XTy 约翰 从TUb-UTY 约子华