$$Var(\hat{S}) = (x^T x)^T x^T E(r^T) x (x^T x)^T$$

$$(x^{T}x)(x^{T}x)^{T}(x^{T}x)^{T}(x^{T}x)^{T}(x^{T}x)^{T}$$

$$X^{r} = \begin{cases} \xi X_{r} \hat{\zeta} \\ \xi X_{r} \hat{\zeta} \end{cases} = 0 \Rightarrow Nolwal$$

$$\mathcal{Z} = \begin{bmatrix} \hat{\Gamma}_1 \hat{\Gamma}_2 & \hat{\Gamma}_1 \hat{\Gamma}_2 \\ \hat{\Gamma}_2 \hat{\Gamma}_1 & \hat{\Gamma}_1 \hat{\Gamma}_2 \\ \hat{\Gamma}_3 \hat{\Gamma}_4 & \hat{\Gamma}_4 \hat{\Gamma}_4 \end{bmatrix}$$

reight besed on diagonal distance
Noted as W

Newey-west in 1984 4 wg -1-6+1

Small Sampe Correction (n-k-1) 2 7 Wg -1-6+1

Greey west 6-37-13