a u is vandom = D var (4) = G

a Comprike var $(u-\hat{u}) = var(u) + var(\hat{u}) - 2Gr(u,\hat{u})$

Bosed on proporties of BLLIP var $(\hat{u}) = cov(u, \hat{u})$ insert in PEV where $\hat{u} = G \cdot Z \cdot V^{\dagger}(y - X\beta)$

 $= 0 \quad PEV = var(u-\hat{u}) = var(u) + var(\hat{u}) \neq 2 cov(u, \hat{u})$ $= var(u) - var(\hat{u})$

a PEV is related to reliability (B% - Boshimutheis mass) $B = r_{4,0}^{2}$ with B% = 100.B