1.6-9 Statistical Properties of the OLS Estimates Monday, January 18, 2021 B=510Ae 95 Abhatfor regression function 2 1-1X: = 2/1X: 2, Y: Xix - 29, Xix N'= xTrenspose=xT [4/10-1/2] = [10] > Identity matrix (スプスケー、スアンー、(スアメアー) スプスラー・(スプス) ー、(スプス) ー、(スアス) ー、(スア unknown Pop Values とくろうー?っと「くなながないない」 = E[BHXTXTIXM]  $= 13 + (x^T x)^T x^T \in (r \mid x)$ 1200 in Robulation E(B)-B & na spec error! Var(3) 7 ((3-6(3)2) E((3-6)2) - E(1)+(x[x]1xr-1)2 E((x[x") x[r r x (x[x"))] Varight = (x1x/x1 Elm1x)x(x1x) LLZ = [N] [N/ Wathex E(~~[x)=? Estimating the signa matrix 2)randon somple Z=E dingonal matrex ((1) - 62 = 6; = 62 -6°(x[x), x'x (x x) -6°(x x) 2, default = desganal=varfance y OFF diagonal=cavariance Sargher Estruator Exchabe whate estimator いるでありこくなびとうさとなりょう Corr factor = n-12-1 Heteraskedusticity Rabust Variance Estimator Assumptions:
(3) (orteet specification
2) vandom sample