Linear Regression E[Ei] =0 Nobta ponts V[E:]=62 (x, 141) Y=Bo+Bixit Ei (x2, y2) yerrar XIX2 X8 XU X term (xn,yn) y least squares Assume H's a Ry, distributed min & Eiby normally. changing Bo & Bi * B, = E(xi-x)(yi-y) $\leq (x_1-x_1)^2$ * Sxy= Exigi - Exix Eyi 9 Do the fit! # 5xx = = xi2 - (Exi)2 Goodness of Fit What if we fit a line? y=Bo+Bx -> Our fit (x2,42) y = 1300 -> what else could pe gove; (x3173) SST = S(yi-y)2 sum of squares of total \$55E= 5(yi-Bo-Bixi)2_5

- dona ade olmali