WAGE1 Thursday, October 15, 2020 11:15 AM Whinary Variable y-Bo+B, X X G benany Bi-difference in average value of I over relation between score in QMB and Jender Score = BotB, (gender) Male = 1, Female = 0 E(Scare gender = Female) = 130 Elscorelgender male) = BofB, B, = E(score/male)-Bo = E(score/male) - E(score/female) 0,2diff in male and female Scores population model Y=B0+B, X+E 1360Pe 13510Pe 13510Pe I and I are landon Adration model is not known. Use sample x and y data to estimate B. and B. Y: = BotBixqrE; & zerror term that contains unobservable Eactor other than x that affect y ex. 7-25,10,15,2,13 x=22,2,2,2,28 4 bod Zizera Conditional Mean E(E(X)-, O 3: X and Y are tendently distributed Estimate B, and B, Fram the sampled data wins OLS (ordinary least squares) estimation B, and Bo are unbiased estimators of Bo and B, 15 the sample is typical and representative of population, then B. and B. should be near (or) dose to population values Bo and B. Homoskedasticity & Constant variance Var(Elx) -- Constant varfance of error term (or) unobservable factors condition on x is constant Var(x(x) = constant y=B,x Desidual = abserved - Fitted