Y=BorB,X y=dependent variable

Bo= y intercept

Bo= slope (change in y for unit change in x)

x=independent variable

given x is normally distributed servations need to be endersent 194 and x are not correlated

Croodness of fit No = Coefficient of Determination 2-55R/557=1-01-01 Variation explained by the model 042741 7 can be a %

Wage = Bo + B, (educ) + & Voge - annual Salary educ = # of years of egucation

B,= effect of educ on wage while all other factors &= all other factors that affect wage wage=Bo+B, (educ) + Bz (expersence) + Bz (skflls) + E

MLR-multiple linear Neghessian In MLR, all X variables should not be correlated

Consumption and income Consumption -Bo +B, (Encome) + Bz (Encome)2 + E x,=facome xz= enconne oconslating = B, + ZBz (income)

Generalized form of MIR

15 y gover x: is normally distributed 3) No Perfect Calinearity between x values are constant b) No renear relationship among the independent 4) (=(E\X, X, ... X)=0 Homoskedasticity 7 Var(E/X, X, ... X;) = 02