4 Book Notes Saturday, August 29, 2020 1:46 PM hange in SS are areas, usually triangles on 4.1 knowing the slope or Price elasticity of demand MPC - Monginal Privote cost MSC - Monginal Social Cost 4.1.1 Linear demand Curve q=00+0,p where: q=quantity at Arice=D Roquantity if P=0 R, change on 9 if Price markets by 1 Ed = R, 9 -> R, = Ed 3 construction of a linear demand curve to measure changes in 25 requires an estimate of gode or Es and P and a of Es 4.1.2 Constant clasticity demand curve $Q = B_0 \rho^{B_1}$ $\rightarrow \ln(q) = \ln(B_0) + B_1 \ln(\rho)$ Area = $\left(\frac{1}{B_0}\right)^{1/B_1} \left(\frac{q P - \chi_0}{\rho}\right)$ where $P = 1 + \left(\frac{1}{B_1}\right)$ 4.2 Extrapolating from a few observations 4.3 Econometric Estimation w/ many observations I'meal regression is a good starting Abint 4.3.1 Model Specification 9=f(P, I, T) Jemperature Income OLS = ordinary least squares 4.3.2 Types of Jata Cross-Sectional VS time Series Gingle on multiple units GLS = generalized least squares Can mix Moss-Sectional + time serves 4.3.3 Identification Endogenous variables: Variables determined simultaneously (exogenous variables: variables that are fixed or determined outside the mode 4.3.4 Confidence Entervals 4.3.5 Pred Ectfon us Hypotheses testfug Appendex 4A multiple regression Independent = explanatory Bo = Intercept Browneter or Constant R'= Synare of correlation between octual + Predicted value of dependent variable Multicollinearity = explanatory har can be written