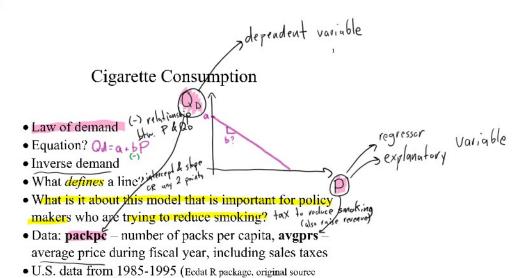
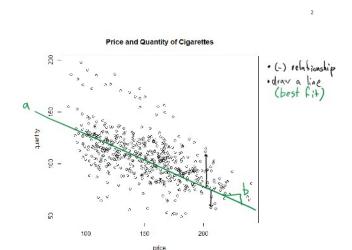
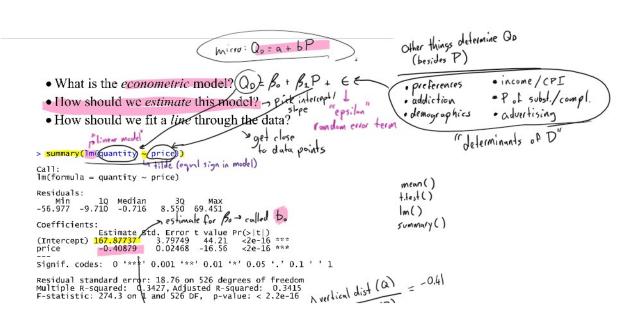
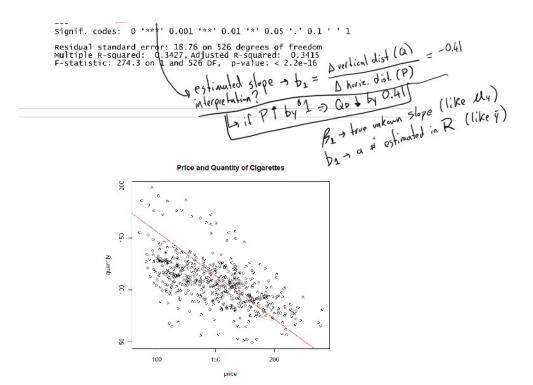
Jonathan Gruber)











Price of Diamonds

gostity

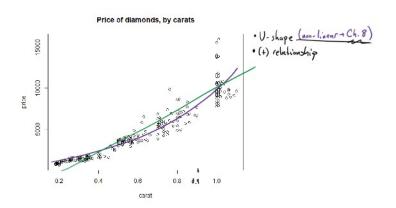
• What determines the price of a diamond?

• How can the "model" for diamond pricing be represented in an equation?

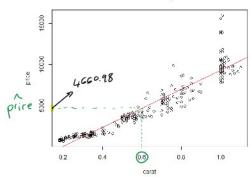
• How is this useful?

> P = B. + B, carats + E Lastere - how to Pyour diamond

- Data: price price in Singapore Ss, carat weight of diamond stones in carat unit
- From 2000, n = 308 (Source Chu, Singfat (2001) "Pricing the C's of Diamond Stones", Journal of Statistics Education, 9(2).)



Price of diamonds, by carats



MPC Marginal Propensity to Consume

• What is it? Portion of income that is consumed

• Equation? $Q = \alpha + MPC \times Y$

• Keynes said it should be less than 1 - MPC < 1

$$0 = \beta_0 + \beta_1 + \epsilon$$
MPC

Underlying model -> trying to estimate it's features

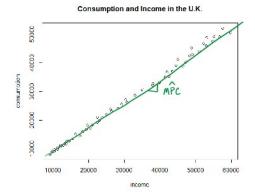
Se.g. (i) demand curve (slope)

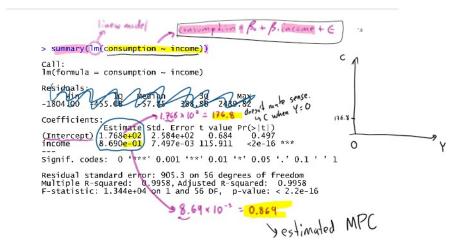
(ii) pricing (effect of caruts on price > slope)

(iii) Now: MPC

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- Data: **income** total disposable income (million Pounds, current prices), consumption - consumer expenditure (million Pounds, current prices)
- From U.K., 1971-1985 (quarterly), n = 58 (References Verbeek, Marno (2004) A Guide to Modern Econometries, John Wiley and Sons, chapters 8 and 9.)





How should we choose the line? (estimate the intercept and slope?)