(5) 7 a) 75; mple regression equation y= minder/mil
x=90 memployed 0)7 N2 Value

(6) Cand 2?

dy lotal Variation 18Ft unexplained b)

Homoscedasticity

- 2. SSE is the total variation left unexplained. It's the difference between the data points and the line of best fit.
- 3. [0, 1]
- $4. R^2$
- 5. [-1, 1]
- 6. The assumptions are that the data is normal, the extraneous values have a mean value of zero, and that there is no correlation between x and the extraneous values

(5) x) Y=-28.52671 + 7.079554x ->x=% unemalo/ed 5) As memplayed goes up 1, majers 90 nd by 7.079 At a memployment, there are -28.53 minurers 12 = .748a

16) as Y(x + (y; - \gamma)(x; -\gamma)/(x; -\gamma)/2 + \gamma/x = \gamma/x 510PC = 296446.059/147911.938 = 2.004 = 56PC

(0).43 = (128.88)(2.004) +)

107.43 = 258.30+)

YENTERCEPT = -150.87 They doesn't make sence because time has to be paritive but I don't have enough time to FEX it

HEAR EVERY unit Encrease en déstance, time increases

Then distance= a, time = -150.87

C) 12 = 55R/15T = 1-55E/55T 55E = 592892.117 55T = 1185784.73 12=1-500 7 L7-,1999

e) Y= (103)(2.004)-150.87 Y= 55.547

d) 45€ = 592892.117 55€ is the total variation left unexplained by the model