



0.08008187 0.10843125 0.13361880

50%

95%

110705058ice陳羽萱

- d. Obtain an expression for the marginal effect ∂E [ln(WAGE)|EDUC, EXPER] / ∂EXPER. Comment on how the estimate of this marginal effect changes as EDUC and EXPER increase.
 e. Evaluate the marginal effect in part (d) for all observations in the sample and construct a histogram of these effects. What have you discovered? Find the median, 5th percentile, and 95th percentile of
- f. David has 17 years of education and 8 years of experience, while Svetlana has 16 years of education and 18 years of experience. Using a 5% significance level, test the null hypothesis that Svetlana's expected log-wage is equal to or greater than David's expected log-wage, against the alternative that David's expected log-wage is greater. State the null and alternative hypotheses in terms of the model parameters.
- JE[M [WAGE] EDUC, EXPER]
 - 3 G XPER

- B4 + 2 B = EXPER + B6 EDVC 0.04488 + 2 × (-0.00468) × EXPER + (-0.00101) × EDUC
- marginal effect decreases as EDUC or EXPER moreuses

the marginal effects.

