

ECONOMETRICS I, SPRING 2024.

Homework 10. Due Wednesday April 17.

1. For an exponential distribution find the information matrix and the Hessian.
2. Computer question (continuation of previous homeworks).
 - a) Estimate the linear regression model of homework 1 by Maximum likelihood.
 - b) Estimate the variance using formula for the Hessian and, alternatively, using the outer product of scores. Compare.
 - c) Test if the coefficient to the interest rate is 0, using LR, Wald, and LM tests, respectively.