

Econometrics
Homework 1
Due 9/16/2004

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These are review questions of mathematics and statistics. You might want to review Appendix A to Appendix C of Wooldridge's textbook. You may work with your friends, but you have to write your own answer and submit it. Just copying your friends' answer will be harshly punished.

Problem 1

Solve Problem A.1 in page 693 of Wooldridge. (You may use Excel)

Problem 2

Solve Problem A.6 in page 694 of Wooldridge. (You might want to use Excel to calculate the natural logarithm)

Problem 3

Show that the equation (A.8) in page 677 of Wooldridge holds.

Problem 4

Solve Problem B.5 in page 729 of Wooldridge.

Problem 5

Suppose you flip a coin ten times in row and record the number of head you obtain. Call this number as X . Calculate the expected value of X .