

0.1 Economics 6818 Quiz 8

Groups of one

Do the entire quiz in *Mathematica*. Turn in both a hard copy and file copy (on a floppy) of your notebook.

Make up a simple maximum likelihood problem with one or more parameters. That is, specify some density function for the random variable in your population. (Don't assume a normal distribution for your population.) Make up a sample with some small number of observations (more than one observation) and assume your sample is a random draw from your population. (For this quiz, you don't need to randomly draw your sample from your population).

Use the *Min* command in *Mathematica* to find the maximum likelihood estimates of your parameter(s)

Add text to your notebook at each step explaining what you are assuming and what you are doing (you can do it).

The best example will get two extra bonus points.