Problem Set 8

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1 Questions

- 1. Use modelsummary to export the regression output to a .tex file. In your .tex file, tell me about how similar your estimates of ^ are to the "ground truth" that you used to create the data in (1)
 - (a) In comparison to the final regression that is on the next page, the optimal value of controls for each equation (that I got to work) were nearly the exact same as the "ground truth." The only estimation here I struggled with was using MLE / L-BFGS, I will continue to investigate this to see what exactly went wrong and how I can fix it moving forward.

	Model 1
X1	1.501
	(0.002)
X2	-0.996
	(0.002)
Х3	-0.249
	(0.002)
X4	$0.747^{'}$
	(0.002)
X5	3.502
	(0.002)
X6	-1.999
	(0.002)
X7	$\stackrel{ ightharpoonup}{0.501}^{'}$
	(0.002)
X8	0.999
	(0.002)
X9	1.253
	(0.002)
X10	1.999
	(0.002)
Num.Obs.	100000
R2	0.991
R2 Adj.	0.991
AIC	144993.2
BIC	145097.9
Log.Lik.	-72485.615
RMSE	0.50