PS8

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1 Problem Set Answers

Problem 5. The betas calculated here are almost identical to the vector in equation $\mathbf{1}$

Problem 9: The beta calculated here are almost identical to the true betas, probably because the relationship is very close to linear.

Table 1:

	Y
X1	1.499***
	(0.002)
X2	-0.998***
	(0.002)
X3	-0.250***
	(0.002)
X4	0.749***
	(0.002)
X5	3.500***
	(0.002)
X6	-1.999***
	(0.002)
X7	0.501***
	(0.002)
X8	1.001***
	(0.002)
X9	1.249***
	(0.002)
X10	1.998***
	(0.002)
Observations	100,000
\mathbb{R}^2	0.991
Adjusted \mathbb{R}^2	0.991
Residual Std. Error	0.502 (df = 99990)
F Statistic	$1,060,049.000^{***}$ (df = 10; 99990)
Note:	*p<0.1; **p<0.05; ***p<0.01