

PS8_Maddy

Ethan Maddy

April 1, 2021

1 Question no. 9

The estimates of β using the `lm()` function are quite close to the true β found in question no. 1. As seen in the table below, the model worked as desired. (i.e. the estimates are close enough to their true values for happiness in the `lm()` model)

	Model 1
X1	1.501 (0.002)
X2	-0.991 (0.003)
X3	-0.247 (0.003)
X4	0.744 (0.003)
X5	3.504 (0.003)
X6	-1.999 (0.003)
X7	0.502 (0.003)
X8	0.997 (0.003)
X9	1.256 (0.003)
X10	1.999 (0.003)
Num.Obs.	1e+05
R2	0.971
R2 Adj.	0.971
AIC	144993.2
BIC	145097.9
Log.Lik.	-72485.615
F	338240.012