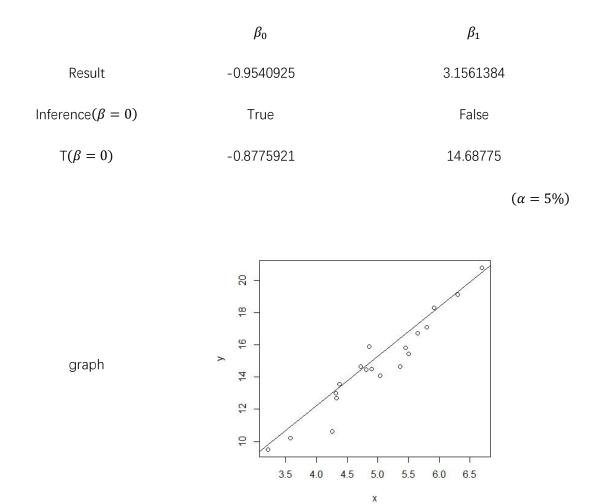
Homework 4

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Question 1 : Do linear regression to simplelr1.csv and do inference to the coefficients , x is independent variable and y is dependent variable.



Question 2 : Do linear regression to Ir2.csv and do inference to the coefficients , $\,$ x is independent variable and y is dependent variable.

	eta_0	eta_1	eta_2	eta_3	eta_4
Result	1.3050691	1.8833781	2.8539523	0.6671587	-0.1968839
$Infer(\beta=0)$	False	False	False	False	True
$F(\beta=0)$	13.30278	136.3436	133.4716	5.443898	0.6356135
	eta_0,eta_1	eta_0,eta_2	eta_0 , eta_3	eta_0 , eta_4	eta_1,eta_2
$Infer(\beta=0)$	False	False	False	False	False
$F(\beta=0)$	115.0455	103.7288	8.635882	5.347855	234.6983
	β_1, β_3	eta_1,eta_4	β_2, β_3	eta_2,eta_4	eta_3 , eta_4
$Infer(\beta=0)$	False	False	False	False	True
$F(\beta=0)$	67.56143	62.94181	71.34856	62.8927	3.08184
	$\beta_0, \beta_1, \beta_2$	$\beta_0, \beta_1, \beta_3$	$\beta_0, \beta_1, \beta_4$	$\beta_0, \beta_2, \beta_3$	$\beta_0, \beta_2, \beta_4$
$Infer(\beta=0)$	False	False	False	False	False
$F(\beta=0)$	207.9424	75.79842	72.12942	71.73604	65.50954
	$\beta_0, \beta_3, \beta_4$	$\beta_1, \beta_2, \beta_3$	$\beta_1, \beta_2, \beta_4$	$\beta_1, \beta_3, \beta_4$	$\beta_2, \beta_3, \beta_4$
$Infer(\beta=0)$	False	False	False	False	False
$F(\beta=0)$	4.91629	157.3192	150.205	41.58236	45.03168
	$\beta_1, \beta_2, \beta_3, \beta_4$	$\beta_0, \beta_2, \beta_3, \beta_4$	$\beta_0, \beta_1, \beta_3, \beta_4$	$\beta_0, \beta_1, \beta_2, \beta_4$	$\beta_0, \beta_1, \beta_2, \beta_3$
$Infer(\beta=0)$	False	False	False	False	False
$F(\beta = 0)$	113.315	51.09084	53.4442	150.4507	156.2283
					$(\alpha = 5\%)$