Exercise 5

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Part 2

Table 1: Regression Results

	Dependent variable:
	Final Grade
Discussion Grade	0.473***
	(0.057)
Political Science	0.445
	(1.647)
Male	1.698
	(1.483)
Junior	2.952
	(2.683)
Sophomore	1.749
	(1.710)
Senior	5.606*
	(3.130)
Constant	43.976***
	(5.163)
Observations	50
R^2	0.658
Adjusted R^2	0.610
Residual Std. Error	4.920 (df = 43)
F Statistic	13.763*** (df = 6; 43)
Note:	*p<0.1; **p<0.05; ***p<0.01

Part 3

Figure 1:

PDF and CDF of Standard Normal and Logistic

Figure 1: Standar Normal and Logistic PDF

Standard Normal PDF

Logistic PDF

Figure 2: Different Variance and Mean (PDF)

$\mu = 2, \ \sigma^2 = 0.16$

$\mu = 0, \ \sigma^2 = 0.64$

$\mu = 0, \ \sigma^2 = 1$

Figure 3: Standar Normal and Logistic CDF

Standard Normal CDF

Logistic CDF