

Day 6, Lesson 3 – Lines: Linear Regressions & Linear Modeling

The following table outlines how you can accumulate points towards your portfolio from lesson 2

Final date for this Lesson work to be submitted is **Monday, October 1**

Layer	Task	Task Notes	Points	Points Earned
HW Task	HW Completion and Submission	Handout, p38-41, Q7,9,11,17	15 points	
Common Tasks	Lesson Notes	Participate in the Lesson and complete the notes and graphs and examples	5 points	
	Data Research #1	Find the daily closing price of stocks for the Commercial Bank of Qatar for the last two weeks (or any other bank in Qatar). Find the linear model of stock price versus time	10 points	
	Data Research #2	Find the daily closing price of stocks for Exxon Mobile for the last two weeks (or any other oil/petroleum/gas corporation). Find the linear model of stock price versus time	10 points	
	Experiment #1	Is there a linear relationship between the height from which a ball is dropped and the time it takes to fall?	10 points	
	Experiment #2	Is there a linear relationship between heart rate and the amount of time spent exercising?	10 points	
“C” Layer	Experimental Procedure	I give you the procedure to the experiments to perform and you perform them to collect your data	7 points	
	Judgements & Predictions	You correctly run through the data collection and presentation but are unable to make any judgements about the linear model nor can you make any predictions from your model	8 points	
“B” layer	Experimental Procedure	You write a simple procedure for the experiments to perform and I have to make some minor adjustments in your procedure and you then perform them to collect your data	12 points	
	Judgements & Predictions	You correctly run through the data collection and presentation and you make some judgements about the linear model and can you make any predictions from your model	13 points	
“A” Layer	Experimental Procedure	You write a correct simple procedure for the experiments to perform and I have to no adjustments to make to your procedure and you then perform them to collect your data	15 points	
	Judgements & Predictions	You correctly run through the data collection and presentation and you make judgements about the linear model and can you make predictions from your model and you can offer further suggestions for improvements to the models/procedures	15 points	