

## UTAustinX: UT.7.20x Foundations of Data Analysis - Part 2



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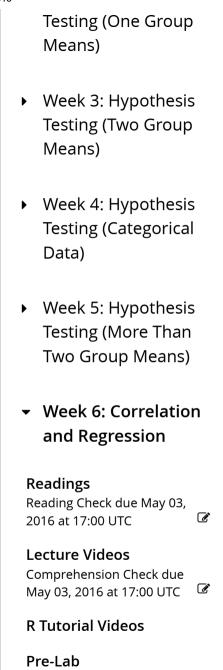
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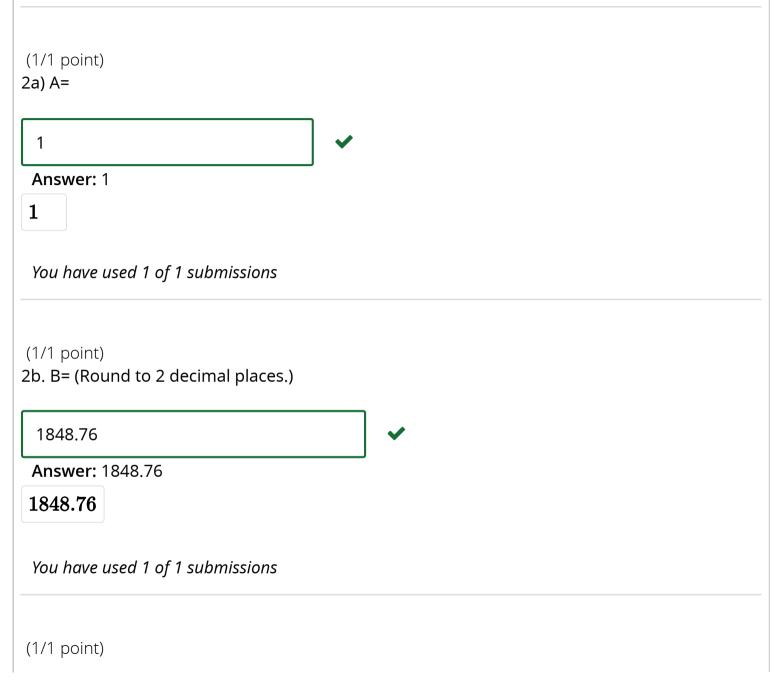
## Question 2

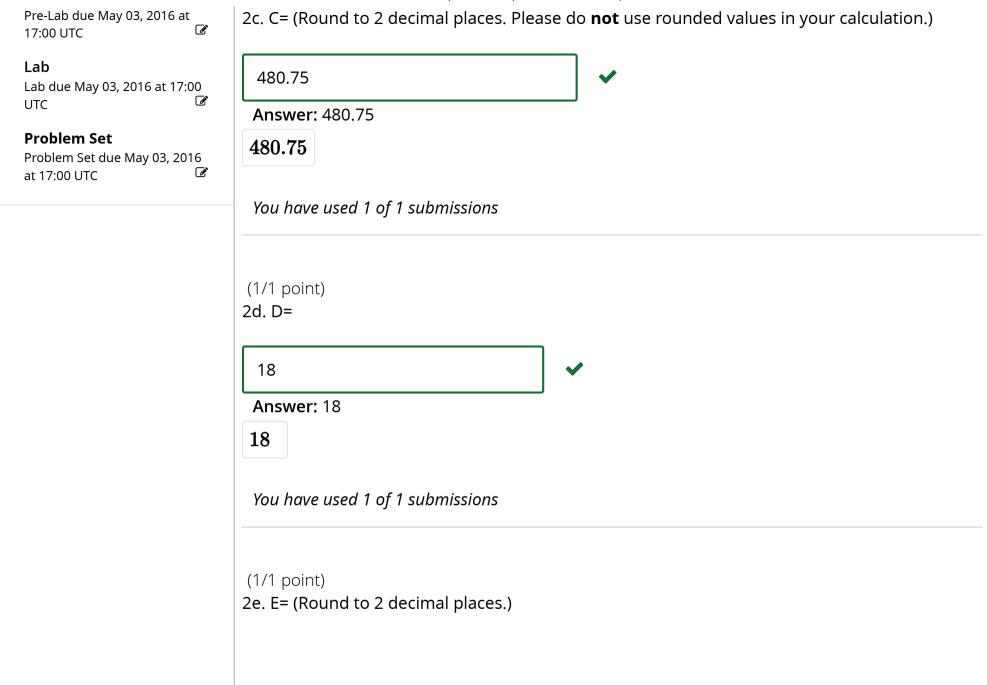
The tables below shows the regression output, with some numbers erased, when a simple regression model relating a response variable Y to a predictor variable  $X_1$  is fitted based on 20 observations. Complete the 7 missing numbers.

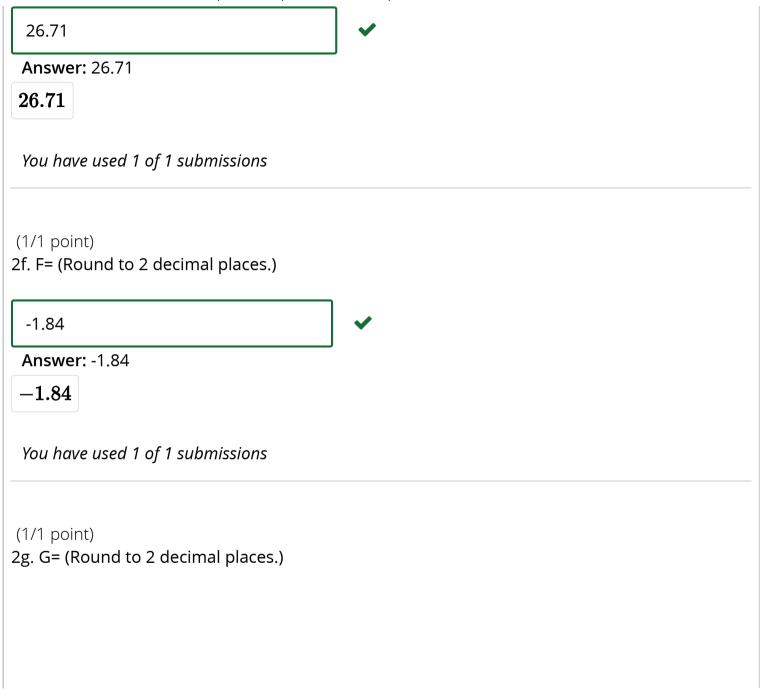
ANOVA Table						
Source	Sum of Squares	df	Mean Square	F-Test		
Regression	1848.76	[A]	[B]	69.22		
Residuals	[C]	[D]	[E]			

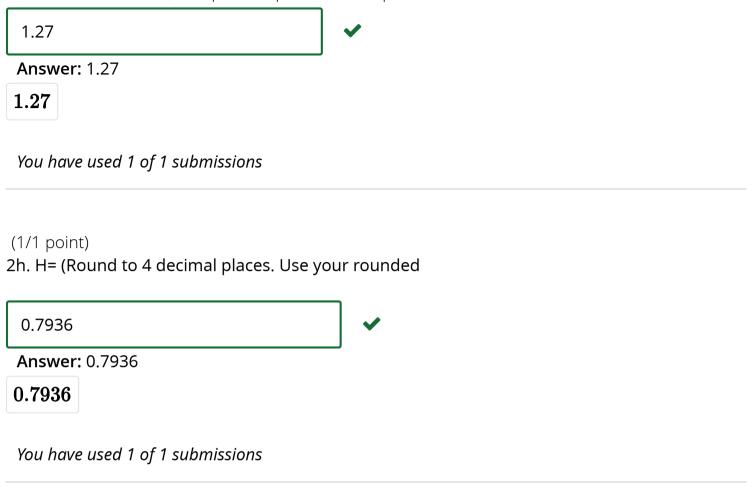
Coefficients Table						
Variable	Coefficient	s.e.	t-test	<i>p</i> -value		
Constant	-23.4325	12.74	[F]	0.0824		
<b>X</b> <sub>1</sub>	[G]	0.1528	8.32	<0.0001		
	R <sup>2</sup> =[H]					











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