2. Give the results of the regression analysis below, what is the correlation coefficient?

Correct! We can run the regression in place of ANOVA

1/1 point

Dep. Variable:	eval	R-squared:	0.036
Model:	OLS	Adj. R-squared:	0.034
Method:	Least Squares	F-statistic:	17.08
Date:	Thu, 03 Sep 2020	Prob (F-statistic):	4.25e-05
Time:	16:36:25	Log-Likelihood:	-375.32
No. Observations:	463	AIC:	754.6
Of Residuals:	461	BIC:	762.9
Df Model:	1		
Covariance Type:	nonrobust		

0.19

O False

(V) Correct

0 17.08

0.034

0.036

3. Given the results for tenure-ship vs teaching evaluation, if our null hypothesis is that there is no difference in mean evaluation scores for professors who are tenured vs professors who are not tenured. What will be the conclusion of the ttest statistics?

1/1 point

	coef	std err	t	P> t	[0.025	0.975]
const	4.1333	0.055	75.791	0.000	4.026	4.241
tenured prof	-0.1732	0.062	-2.805	0.005	-0.295	-0.052

P-value is less than 0.05, that means that there is a difference in mean values for professors who are tenures versus
professors who are not tenured.

P-value is less than 0.05, we will fail to reject the null hypothesis.

O There is no conclusive evidence in the results above.



7.	If we ran a regression analysis between two continuous variables amount of time spent running on a treadmill vs the amount of calories burnt. If I get a coefficient of 0.33 for the amount of time running on the treadmill and an R-square value of 0.81. What is the correlation coefficient?	1/1p
	● 0.9	
	O 0.81	
	O 0.66	
	O 0.77	
	⊘ Correct Correct!	
8.	Which of the following best explains a scatter plot?	1/1p
8.	Which of the following best explains a scatter plot? A one-dimensional graph of randomly scattered data.	1/1p
в.		1/1 p
8.	A one-dimensional graph of randomly scattered data.	1/1p
8.	A one-dimensional graph of randomly scattered data. A two-dimensional graph of data values.	1/1 p