Complete the regression and ANOVA tables below and then answer questions about their values. All answers must be **numerical** and accurate to 3 significant digits.

Predictor	Coeff.	Std.Error	t	р
Const	2.8	0.3948	7.0919	0
x	1.5993	0.7139	2.2403	0.0321

Source	df SS MS F p
Regression	
Residual	32 169.6
Total	196.2

Goodness of Fit		
R^2		
Std.Error	2.3022	

The regression model is $Y = \beta_0 + \beta_1 x + \epsilon$. $\hat{\beta}_0 = _ \qquad \sigma_{\hat{\beta}_0} = _ \qquad$ $\hat{\beta}_1 = _ \qquad \sigma_{\hat{\beta}_1} = _ \qquad$ $\operatorname{Var}[\epsilon] = _ \qquad \sigma_{\epsilon} = _ \qquad$

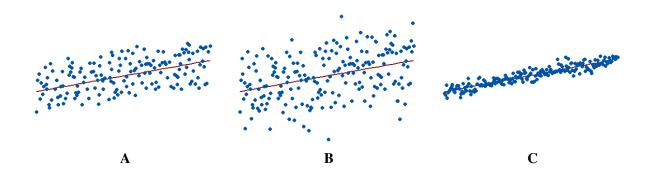
The number of degrees of freedom for β_0 and β_1 are $df(\beta_0) = \underline{\qquad} \qquad df(\beta_1) = \underline{\qquad}$ The 95% confidence intervals for β_0 and β_1 are $\beta_0 = \hat{\beta}_0 \pm \underline{\qquad} \qquad \beta_1 = \hat{\beta}_1 \pm \underline{\qquad}$ What is the p-value for H_0 : $\beta_1 = 0$?

You may use the embedded R window below to perform computations.

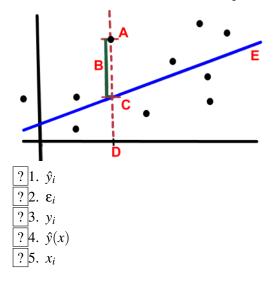
Embedded R window.

2. (0 points) METUNCC/Statistics/rsq-match.pg Match R^2 value with its graph (assuming all graphs have the same scale). Click on a graph to make it larger.

^{1. (0} points) METUNCC/Statistics/Regression_1.pg



3. (0 points) METUNCC/Statistics/regression-label.pg Give the correct labels for the indicated parts of a regression graph.



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