Independence, i.e. observations are independent.		
QUESTION 12  titimate a simple linear regression model using least squares using the OLS command in gretl as shown in your handout. The estimated regression equation is $Y = -26 - 8.00x$ . True or False?	10 points	Save Answer
QUESTION 13 seed on the estimated regression you obtained before, what is the value of the slope coefficient?	5 points	Save Answer
QUESTION 14	5 points	Save Answer
e estimated slope coefficient tells you how much the dependent variable, in this case home value, varies with changes in the independent variable, in this case the average number of rooms in owner-occupied homes.  True  False		
QUESTION 15 the estimated slope coefficient statistically significant? Enter yes or no [yes].	5 points	Save Answer
QUESTION 16  this case, the P-value equals 4.52e-073 *** or something very, very small and much smaller than the designated 0.05 level of significance.  ) True   False	5 points	Save Answer
QUESTION 17 are coefficient of determination or r-squared, is a measure of how much of the variability in the data is explains the response, i.e. the dependent variable.  True False	5 points	Save Answer
QUESTION 18  The value of r-squared for our current model is?	10 points	Save Answer
what point or value is the coefficient of determination or r-squared considered a strong indicator?  te truth is that a good value for r-squared depends on what the model you are developing is intended to do. If the model is intended to represent a lot of engineering or technical applications then usually somewhere between 0.50 id 0.70 is considered good. However, I you are developing a model for a final consumer product where safety is involved you'll want a much higher r-squared, e.g. 0.90 or even a lot higher than that. Most basic R&D projects are load with an r-squared value of around 0.2. In this case, r-squared is only intended to give enough confidence to refine something to the next step or phase which should have a higher r-squared. In the social sciences, r-squared = mo 1.01 to 0.30 is often considered good. So, it depends  0.90  0.70  1 t depends	5 points	Save Answer
QUESTION 20 alculate a 95% confidence interval for the estimated slope coefficient. What is the value of the lower bound for the 95% confidence interval of the slope coefficient?	5 points	Save Answer
QUESTION 21  alculate a 95% confidence interval for the estimated slope coefficient. What is the value of the upper bound for the 95% confidence interval of the slope coefficient?	5 points	Save Answer