Quiz #8

Econometría 06216

Nombre: _____

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INSTRUCCIONES:

- Escoja la opción más adecuada.
- Usted cuenta con 5 minutos para resolver este quiz

1. Which of the following statements apply to the Durbin-Watson test.
   a. it will not always give a conclusive result.
   b. shows there is no serial correlation if it equals zero.
   c. is roughly equal to 2 minus 1/2 of rho.
   d. is the only way to test for serial correlation.

Answer (a)

2. Autocorrelation in your data is a problem because:
   a. the assumption of the CLRM that the covariances and the correlations between different disturbances are all zero is being violated.
   b. the method of OLS assumes that the data are uncorrelated and calculates the point estimates of regression parameters accordingly.
   c. a) and b) are correct.
   d. None of the above.

Answer (c)

3. If your dataset has serial correlation, but you completely ignore the problem and use the OLS estimator, you will.
   a. get unbiased and consistent parameter estimates.
   b. you get OLS estimators that are no longer BLUE.
   c. the R squared will be generally overestimated and the t-statistics will tend to be higher.
   d. All of the above.

Answer d)

4. One possible way to check for evidence of serial correlation informally is.
   a. by plotting the residuals of a multiple regression model against the dependent variable and all the regressors.
   b. by plotting the squared residuals of a multiple regression model against the dependent variable and all the regressors.
   c. by plotting the residuals of a multiple regression model against the dependent variable only.
   d. None of the above.

Answer (d)

5. By autocorrelation we mean:

a. that the residuals of a regression model are related with one or more of the regressors.
b. that the residuals of a regression model are not independent.
c. that the residuals of a regression model are related with one or more of the regressors.
d. None of the above.

Answer (b)