

Quiz # 2
Chapter 1 and 2
Econometrics 06216

Name _____

- Choose the most correct answer
 - You have 5 minutes to solve out this quiz
1. If the expected value of the estimator is not equal to the real value of a parameter, we can say that:
 - a. Not necessarily, the estimator is biased.
 - b. **Necessarily, the estimator is biased.**
 - c. It is sufficient condition to say that the estimator is biased.
 - d. B and C.
 2. Regressor refers to:
 - a. A variable that accounts for variation in an independent variable.
 - b. A dependent variable.
 - c. A non explanatory variable.
 - d. **None of the above.**
 3. If the disturbances are non heteroskedastic, it can be said that:
 - a. The errors have the same mean
 - b. **The errors have the same variance**
 - c. The errors have different variance
 - d. The errors have different mean.
 4. In a simple log-log regression model the slope coefficient measures
 - a. **the elasticity of Y with respect to X**
 - b. the value of Y for any given value of X
 - c. the change in Y predicted by the model for a unit change in X
 - d. the ratio Y/X
 5. If θ and χ are both unbiased estimators and $\text{Var}(\theta) < \text{Var}(\chi)$, we can affirm:
 - a. θ gets closer to the true parameter value as the size of the sample increases
 - b. $\text{Var}(\theta)$ gets smaller as the size of the sample increases
 - c. θ has the lowest variance than any other unbiased estimator
 - d. **None of the above**