

Quiz # 2
Chapter 1 and 2
Suggested Answers
Econometrics 06216

Name _____

- Choose the most correct answer
 - You have 5 minutes to solve out this quiz
1. Regressor refers to:
 - a. A variable that accounts for variation in a independent variable.
 - b. A dependent variable.
 - c. A non explanatory variable.
 - d. **None of the above.**
 2. Which of the next statements is true?
 - a. All unbiased estimator is efficient.
 - b. All biased estimator guesses right, on average.
 - c. **None of the above**
 - d. All of the above
 3. If the disturbances are homoskedastic, 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. The Central Limit Theorem says that:
 - a. The distribution of Y follows a normal distribution in large samples even when the disturbances are not normally distributed.
 - b. The distribution of Y follows a normal distribution in large samples only if the disturbances are normally distributed.
 - c. The distribution of \bar{Y} follows a normal distribution in large samples only if the disturbances are normally distributed.
 - d. **The distribution of \bar{Y} follows a normal distribution in large samples even when the disturbances are not normally distributed.**
 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 than χ .
 - b. $\text{Var}(\theta)$ gets smaller as the size of the sample increases
 - c. θ is efficient.
 - d. **None of the above**