KYIV SCHOOL OF ECONOMICS

Statistics and econometrics for business II

Instructor: Maksym Obrizan

QUIZ - 1 WHITE

Please put your name (6 points): ________________________________

To get full credit answer ALL 6 questions below (1 point for each correct answer)

1. Experiments constitute the main tool in econometrics but not in mathematical statistics. True or False? Explain in 1 sentence.

2. Consider a regression with three explanatory variables. Regression coefficients would have a similar interpretation compared to correlations. True or False? Explain in 1 sentence.

3. It is not possible to include in MLR a squared root of a variable because regression must be linear in parameters. True or False? Explain in 1 sentence.

4. Unbiasedness is the property of central tendency (i.e. mean). True or False? Explain in 1 sentence.

5. An econometrician should always choose a model with maximum R-squared. True or False? Explain in 1 sentence.

6. According to Gauss-Markov theorem OLS is the best unbiased estimator. True or False? Explain in 1 sentence.