Click to download more NOUN PQ from NounGeeks.com



NATIONAL OPEN UNIVERSITY OF NIGERIA FACULTY OF AGRICULTURAL SCIENCES DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION KM, 4 KADUNA-ZARIA EXPRESS WAY POP EXAMINATION 2021 ACADEMIC SESSION 2021

Course Code: AEA 505

Course Title: Econometrics

Credit Unit: 3

Exam Question: POP 2021 Total Score: 70 Marks

Instruction: Answer any 4 questions only.

Time Allowed: Two and half hours.

1a. Given the correlation coefficient existing between variables X and Y, calculate the mean of the two variables X and Y (7.5 marks).

X (input)	1	2	3	4	5
Y (output)	12	19	35	23	36

- b. Econometrics deserves to be studied on its own. Discuss (5 marks)
- c. Differentiate clearly between cross-sectional and time-series data (5 marks).
- 2a. State any five limitations associated with correlation analysis (7.5 marks).
- b. Outline any five special features associated with Ordinary Least Squares (OLS) method (5 marks).
- c. Enumerate any five sources of multicollinearity (5 marks).
- 3a. Describe the usefulness of Analysis of Variance (ANOVA) as an analytical tool (7 marks).
- b. With the aid of a diagram, describe how two variables can be negatively and linearly correlated (5.5 marks).
- c. Mention any five uses of gross margin analysis (5 marks).
- 4a. Define econometrics in any five different ways (7.5 marks).
- b. Mention any five steps involved in hypothesis testing (5 marks).
- c. Outline any five procedures for computing correlation coefficient (5 marks).

Click to download more NOUN PQ from NounGeeks.com

- 5a. State and describe the detection of multicollinearity (7.5 marks).
- b. State the procedures to follow in the interpretation of Analysis of Variance (ANOVA) results (6 marks).
- c. List any four causes of autocorrelation (4 marks).