

Statistics - ICS Part 2 Statistics English Medium Compete Book Short Questions Preparation

Q1. What is meant by standard error of a statistic ?

Ans 1:

Q2. What is meant by linear regression ?

Ans 1: A statistical method providing best possible linear relationship between a dependent variable and an independent variable.

Q3.

Ans 1:

Q4. What is random sampling ?

Ans 1: it is the process of selecting a part or some elements from the population using probability theory.

Q5. What are the two main components of a CPU ? Explain what each one does ?

Ans 1: The CPU contains two basic parts, the CU (Control Unit) and ALU (Arithmetic Logic Unit). All the components / actions of a computer are controlled from the control unit. Control unit schedules the input/output operations when computer runs a programme, CU executes the instructions in order. On the other hand ALU performs arithmetic and logical operations (decision making) according to the instruction.

Q6. What is a coefficient of correlation ? For what purpose it is used ?

Ans 1: The coefficient of correlation is a measure designed to give the information about the nature and strength of the relationship existing between the two variables.

Q7. What is a sampling error ? How can we reduce this error ?

Ans 1: It is the difference between a statistic and respective parameter. It can be reduced by employing better technique, supervision, randomness and increasing the sample size.

Q8. Why will DOS is continue to be used into the twenty first century ?

Ans 1: Although DOS is not user friendly (not based on graphical user interface) and requires to remember some commands, but still it is popular and used. The reasons are: IBM compatibility, availability of software and Intel based micro computers. Still there

are some video games which run in DOS mode.

Q9. What is sampling ?

Ans 1: It is the process of selecting a part or some elements from the population.

Q10. What are the limits for Chi square statistic ?

Ans 1: The value of Chi square fluctuates in between 0 and infinity.

Q11.

Ans 1:

Q12.

Ans 1:

Q13. Is it true that a change in origin scale of the variables affects the value of correlation coefficient ?

Ans 1: Coefficient of correlation is independent of the change in the origin and scale.

Q14. What do we mean by nature of the relationship ?

Ans 1: By nature of the relationship we mean that whether the relationship is linear or curvilinear; positive or negative etc.

Q15. Is it possible that both regression by equal ?

Ans 1: For a specific problem they may have equal and identical value. But it is not possible for all the situations.

Q16. What is meant by sampling with replacement ?

Ans 1: A scheme in which elements can be selected more than once.

Q17.

Ans 1:

Q18. What do you know about DOS?

Ans 1: A DOS, or disk operating system, is an operating system that runs from a disk drive. The term can also refer to a particular family of disk operating systems, most commonly MS-DOS, an acronym for Microsoft DOS.

Q19. What is meant by "Confidence coefficient" ?

Ans 1: It is the probability that a random interval encloses the population parameter.

Q20.

Ans 1:
