

Assignment 1 (Week 1)

Due on 2016-02-11, 05:29 IST

Submitted assignment

1) Which of the following is a discrete random variable?

1 point

- ☒ i) Number of the students in a class
- ☐ ii) Time span for any experiment
- ☐ iii) The probability of occurrence of accident
- ☐ iv) The percentile obtained by a student in an exam

2) Probability density function is related to –

1 point

- ☐ i) Random discrete variable
- ☐ ii) Discrete variable
- ☒ iii) Random continuous variable
- ☐ iv) Continuous variable

3) Probability mass function is related to –

1 point

- ☒ i) Random discrete variable
- ☐ ii) Discrete variable

☐ iii) Random continuous variable

☐ iv) Continuous variable

4) Choose which of the following statements are true

2 points

☐ a) Principal component analysis is a dependence model

☐ b) Structural equation modeling is an interdependence model

☒ c) Multivariate analysis of variance is a dependence model

☐ d) Factor analysis is a dependence model

5) Which of the following data type is amenable to all arithmetic operations

1 point

☐ a) Nominal data

☐ b) Ordinal data

☐ c) Interval data

☒ d) Ratio data

6) Choose the correct ones–

1 point

☒ a) Model verification is a static procedure

☐ b) Model validation is a static procedure

☐ c) Model verification is done by the testing team

☒ d) Model validation is done by the testing team

7) For a study, a set of data is collected from news paper reports. The data source is regarded as -(

1 point

☐ a) Primary data source

☒ b) Secondary datasource

☐ c) Tertiary data source

☐ d> None of the above

8) Temperature is measured in –

1 point

- ☐ i) Nominal scale of measurement
- ☒ ii) Interval scale of measurement
- ☐ iii) Ratio scale of measurement
- ☐ iv) Ordinal scale of measurement

9) Month is measured in –

1 point

- ☒ i) Nominal scale of measurement
- ☐ ii) Interval scale of measurement
- ☐ iii) Ratio scale of measurement
- ☐ iv) Ordinal scale of measurement