Assignment - 2

Due on 2019-09-11, 23:59 IST.

1. On the basis of the data given below, choose the correct data type for the attribute 'Treatments' from the option given below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Order Index</th>
<th>Order Type</th>
<th>Print Type</th>
<th>Food Quality</th>
<th>Price</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>Green Treatments</td>
<td>Color</td>
<td>20</td>
<td>2</td>
<td>8801</td>
</tr>
<tr>
<td>2</td>
<td>20</td>
<td>Blue Treatments</td>
<td>Size</td>
<td>40</td>
<td>3</td>
<td>9075</td>
</tr>
<tr>
<td>3</td>
<td>30</td>
<td>Red Treatments</td>
<td>Name</td>
<td>60</td>
<td>4</td>
<td>8500</td>
</tr>
<tr>
<td>4</td>
<td>40</td>
<td>Blue Treatments</td>
<td>Size</td>
<td>40</td>
<td>4</td>
<td>7500</td>
</tr>
</tbody>
</table>

2. The answer is incorrect.

Answer Corrected: Nominal

2. On the basis of the data given in Table 1, choose the correct data analysis tool for the attribute 'Price' from the options given below.

- Descriptive Statistics
- Chi-Square Test
- ANOVA
- None of these

3. The answer is incorrect.

Answer Corrected: None of these

3. On the basis of the data given in Table 1, choose the correct correct option from below.

Statement A: The attribute 'Price' has discrete data with very few inherent ordering.
Statement B: The attribute 'Price' has a normal distribution and this a chi-square test is the most suitable tool for analysis.
Statement C: Any of the above is correct.
Statement D: Any of the above is wrong.
Statement E: Any of the above is correct and Statement D is incorrect.
Statement F: Any of the above is wrong and Statement D is correct.
Statement G: Any of the above is wrong and Statement E is wrong.

4. The answer is incorrect.

Answer Corrected: None of the above

4. Categorical measures are those that are used in decision-making which is intrinsic to the organization.

Yes, the answer is incorrect.

Answer Corrected: True

5. In a situation experiment, the time taken to cover a stipulated distance by the particle follows a uniform probability distribution within [0, 10] seconds.

What is the probability that the particle will cover the distance on or before 5 seconds?

- 0.50
- 0.54
- 0.58
- 0.75

6. The answer is incorrect.

Answer Corrected: None of these

6. Grains, in probability theory, are defined as the subset of the sample space.

Yes, the answer is incorrect.

Answer Corrected: False

7. A bag contains 10 white, 8 red, and 6 black balls. The experiment allows to draw two balls from the bag one by one at a time. A random variable has been defined that counts the number of black balls in a draw. What are the values that this random variable can take?

Yes, the answer is incorrect.

Answer Corrected: P(0) = (10/24), P(1) = (9/24), P(2) = (6/24)

8. A fair die is rolled for five times. What is the probability that the summation of the two outcomes will be exactly 10?

Yes, the answer is incorrect.

Answer Corrected: True

9. The answer has the responsibility to make rational decisions.

Yes, the answer is incorrect.

Answer Corrected: False

10. Expert systems use feedback mechanisms to assist in decision-making.

Yes, the answer is incorrect.

Answer Corrected: False