## Assignment 12

The due date for submitting this assignment has passed. **Due on 2018-04-18, 23:59 IST.**

### Submitted assignment

1) Which of the following is not a way to classify Analytics? **1 point**

- (a) Descriptive Analytics
- (b) Prescriptive Analytics
- (c) Formative Analytics
- (d) Predictive Analytics

**No, the answer is incorrect.**
**Score: 0**

**Accepted Answers:**  
(c) Formative Analytics

2) Following are the issues related to issues with Euclidean distance metric. **1 point**

- (a) Distance values depend on the unit of a measurement
- (b) Based on mean and doesn’t account for variance.
- (c) Distance should be computed using std. dev. (z-scores) instead of unit of measurement.
- (d) All of the above.

**No, the answer is incorrect.**
**Score: 0**

**Accepted Answers:**  
(d) All of the above.

3) A _____ is a tool for assessing discriminant analysis results that plots the group membership of each case on a graph. **1 point**

- (a) Characteristic profile
- (b) Scatter gram
- (c) Territorial map
- (d) Pie chart

**No, the answer is incorrect.**
**Score: 0**

**Accepted Answers:**  
(c) Territorial map

4) Discriminant analysis can be conducted via all of the following except: **1 point**

- (a) SPSS
- (b) EXCEL
- (c) MINITAB
- (d) SAS

**No, the answer is incorrect.**
**Score: 0**

**Accepted Answers:**  
(c) MINITAB
5) Discriminant analysis is a statistical technique can be used for:
   - (a) Used for classification and profiling task.
   - (b) Model-based approach.
   - (c) Only 1
   - (d) 1 and 2

   Accepted Answers:
   (a) Used for classification and profiling task.
   (b) Model-based approach.
   (d) 1 and 2

   Score: 1 point

6) Artificial neural network are based on following statements:
   - (a) Human learning and memory properties.
   - (b) Capacity to generalize from particulars.
   - (c) Biological activity of brain, where interconnected neurons learn from experience.
   - (d) All of the above.

   Accepted Answers:
   (d) All of the above.

   Score: 1 point

7) In artificial Neural Network interconnected processing elements are called:
   - (a) Nodes or neuron
   - (b) Weights
   - (c) Axons
   - (d) SOMA

   Accepted Answers:
   (a) Nodes or neuron

   Score: 1 point

8) Normalization is helpful because:
   - (a) It normalizes (changes) all the input before sending it to the next layer
   - (b) It returns back the normalized mean and standard deviation of weights
   - (c) It is a very efficient backpropagation technique
   - (d) None of these

   Accepted Answers:
   (a) It normalizes (changes) all the input before sending it to the next layer

   Score: 1 point

9) Investment analysis used in neural networks is to predict the movement of stock from previous data
   - (a) Engines.
   - (b) Stock
   - (c) Patterns
   - (d) Models

   Accepted Answers:
   (b) Stock

   Score: 1 point
The total delta measures the total absolute change in network connection weights for each pass of the training data through a neural network. This value is most often used to determine the convergence of:

- (a) Perceptron network.
- (b) Feed-forward network.
- (c) Backpropagation network.
- (d) Self-organizing network.

No, the answer is incorrect.

Score: 0
Accepted Answers:
(c) Backpropagation network.