***Unit-1 MCQ***

***Data Analytics & Overview***

1. Which of the following is true about regression analysis?
2. answering yes/no questions about the data
3. estimating numerical characteristics of the data
4. modelling relationships within the data
5. describing associations within the data

**Correct Answer: (C)**

1. [Text Analytics](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjPtqbc19TvAhWs73MBHSFLBi8QFjACegQIBBAD&url=https%3A%2F%2Fmonkeylearn.com%2Fblog%2Fwhat-is-text-analytics%2F%23%3A~%3Atext%3DText%2520analytics%2520is%2520the%2520automated%2Cnumbers%2520and%2520make%2520better%2520decisions.&usg=AOvVaw1byUqQhpJgbYXLcXgRNeos), also referred to as Text Mining?
2. True
3. False
4. Can be true or False
5. Cannot say

**Correct Answer: (A)**

1. What is a hypothesis?
2. A statement that the researcher wants to test through the data collected in a study.
3. A research questions the results will answer.
4. A theory that underpins the study.
5. A statistical method for calculating the extent to which the results could have happened by chance.

**Correct Answer: (A)**

1. What is the cyclical process of collecting and analysing data during a single research study called?
2. Interim Analysis
3. Inter analysis
4. inter item analysis
5. constant analysis

**Correct Answer: (A)**

1. The process of quantifying data is referred to as *\_*\_\_\_
2. Topology
3. Diagramming
4. Enumeration
5. coding

**Correct Answer: (C)**

1. \_\_\_\_\_ are the basic building blocks of qualitative data.
2. Units
3. Categories
4. Individuals
5. None of the above

**Correct Answer: (B)**

1. A graph that uses vertical bars to represent data is called a *\_*\_\_
2. Line graph
3. Vertical graph
4. Scatterplot
5. Bar graph

**Correct Answer: (D)**

1. \_\_\_*\_* are used when you want to visually examine the relationship between two quantitative variables.
2. Bar graph
3. pie graph
4. Scatterplot
5. Line Graph

**Correct Answer: (C)**

1. This is the process of transforming qualitative research data from written interviews or field notes into typed text.
2. Segmenting
3. Coding
4. Transcription
5. Mnemoning

**Correct Answer: (C)**

1. Which of the following is the Data Visualization method?
2. Line
3. Pie Chart, Bar Chart
4. Circle & Triangle
5. Pentagon

**Correct Answer: (B)**

1. In which scale of measurement classification, order and equality of units are ensures?
2. Interval
3. Ratio
4. Ordinal
5. Nominal

**Correct Answer: (A)**

1. The branch of statistics that deals with the development of particular statistical methods are classified as  
   A. industry statistics  
   B. economic statistics  
   C. applied statistics  
   D. applied statistics

**Correct Answer: (C)**

1. Which of the following is true about regression analysis?  
   A. answering yes/no questions about the data  
   B. estimating numerical characteristics of the data  
   C. describing associations within the data  
   D. modelling relationships within the data

**Correct Answer: (D)**

1. Point out the correct statement.  
   A. Raw data is original source of data  
   B. Pre-processed data is original source of data  
   C. Raw data is the data obtained after processing steps  
   D. None of the mentioned

**Correct Answer: (A)**

1. Which of the following is characteristic of Processed Data?  
   A. Data is not ready for analysis  
   B. All steps should be noted  
   C. Hard to use for data analysis  
   D. None of the mentioned

**Correct Answer: (B)**

1. How many principles of analytical graph exits?
   1. 3
   2. 4
   3. 6
   4. 8

**Correct Answer: (B)**

1. Which of the following is the characteristic of Raw Data?

A. Data is ready for analysis  
B. Easy to use for data analysis  
C. Original version of data  
D. None of the mentioned

**Correct Answer: (C)**

1. The type of diagram in which the operation is specified on object is considered as:
   1. Functional Diagram
   2. Class Diagram
   3. Entity Diagram
   4. Attribute Diagram

**Correct Answer: (B)**

1. Which of the following refers to the problem of finding abstracted patterns (or structures) in the unlabelled data?
2. Supervised learning
3. Hybrid learning
4. Reinforcement learning
5. Unsupervised learning

**Correct Answer: (D)**

1. Which one of the following refers to querying the unstructured textual data?
2. Information access
3. Information update
4. Information retrieval
5. Information manipulation

**Correct Answer: (C)**

1. Which of the following can be considered as the correct process of Data Mining?
2. Infrastructure, Exploration, Analysis, Interpretation, Exploitation
3. Exploration, Infrastructure, Analysis, Interpretation, Exploitation
4. Exploration, Infrastructure, Interpretation, Analysis, Exploitation
5. Exploration, Infrastructure, Analysis, Exploitation, Interpretation

**Correct Answer: (A)**

1. For what purpose, the analysis tools pre-compute the summaries of the huge amount of data?
2. In order to maintain consistency
3. For authentication
4. For data access
5. To obtain the queries response

**Correct Answer: (D)**

1. The self-organizing maps can also be considered as the instance of \_\_\_\_\_\_\_\_\_ type of learning.
2. Supervised learning
3. Unsupervised learning
4. Missing data imputation
5. Both A & C

**Correct Answer: (B)**

1. In the example predicting the number of new-borns, the final number of total new-borns can be considered as the \_\_\_\_\_\_\_\_\_
2. Features
3. Observation
4. Attribute
5. Outcome

**Correct Answer: (D)**

1. Which of the following can be considered as the classification or mapping of a set or class with some predefined group or classes?
2. Data set
3. Data Characterization
4. Data Sub Structure
5. Data Discrimination

**Correct Answer: (D)**