Week-12

Sources of Data and Ethical Considerations in Data Science

Answer the following Multiple-Choice Questions

1. Which of the following is true about the source of the data?
   a) The source data collected and compiled by others is known as primary data
   b) The source data collected and compiled by others is known as secondary data
   c) The source data collected and compiled by others is known as tertiary data
   d) All of the above

2. Which of the following option is true for Primary and Secondary data?
   a) The collection of secondary data is costlier and more time consuming when compared to primary data
   b) The secondary data is always original whereas the primary data is not
   c) The primary data is much more reliable than secondary data because it is collected directly from respondents
   d) None of the above

3. Which of the following Data are known as research data?
   a) Qualitative Data
   b) Quantitative Data
   c) Both
   d) None of the above

4. An observation technique where the researcher himself actively remains associated with other members of the group and observes the behavior and activities of the group of people to study them and produce data can be considered as:
   a) Primary Source Data
   b) Secondary Source Data
   c) Both a) and b)
   d) None of the above

5. Survey through a set of Questionnaire is ideal to be performed on the people who are:
   a) known about the facts asked in the questions
   b) part of the related organization or, group
   c) Both a) and b)
   d) Neither a) nor b) is required

6. Which of the following is a drawback of investigation or, experimental data source(s)?
   a) It lacks reliability
   b) It's extremely costly and time consuming
   c) It is never possible to collect/generate data through investigation/experimentation
   d) None of the Above

7. Which of the following is not a method of primary data collection?
   a) Interview
   b) Questionnaire
   c) Document
   d) Experimentation

8. The data in the form of in which it is generated and collected is called:
   a) Secondary Data
   b) Raw Data
   c) Arrayed Data
   d) Qualitative Data

9. What does it called when the information about the participants is kept confidential to anyone but to the researcher and/or, the staffs for a specific said purpose?
   a) Privacy and Data Minimization
   b) Transparency
   c) Accuracy
   d) Limitation

10. Data Transparency is about, the data is easily interpretable by the users of it.
    a) True
    b) False

11. Problem statement/statement of purpose contains:
    a) proper reasoning of why the data is being collected
    b) appropriate understanding of how the collected data will be useful for the purpose
    c) Both of the above
    d) None of the above

12. Suppose government has published the GDP growth information and it's impact on the socio economic structure. You are collecting this information to predict the growth of upcoming fiscal year(s). The source of the data is:
    a) Primary Data
    b) Secondary Data

13. You have developed a serious game. The information of the player responses in different levels will be recorded and stored as data. This data will be called:
    a) Primary Data
    b) Secondary Data

14. You are participating to provide mid-module review feedback, will instantly become a:
    a) Primary Data
    b) Secondary Data

15. A recently published dataset contains the estimated electricity consumption of a city in England and change in rate, can be considered as:
    a) Primary Data
    b) Secondary Data

16. Evaluating the collected data is necessary to assess whether this data is suitable and/or, appropriate for achieving the research goal(s).
    a) True
    b) False

17. You are collecting primary data for the purpose of analyzing customers buying behavior, however, instead of that you are using the data to build a directory to hold customers contact numbers and addresses so that along with your company, the other similar companies can also communicate them. Is this against Data Ethics policy?
    a) Yes
    b) No
    c) Both
    d) Can't say

Kimia Aksir