

## Worksheet

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Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

## USE OF STATISTICS IN DATA SCIENCE

Unit-1

### A. Who am I?

1. I am a field that works with and examines large amounts of data to give meaningful information that can be used for making decisions and solving problems. ....
2. I am a division of a small set of data from a large set of data. ....
3. I am the procedure of selecting a set of desired rows and columns from a data frame. ....
4. I am a method of subsetting in which we take some rows from the top or bottom of the table. ....
5. I am a table that lists items and shows the number of times the items occur. ....

### B. Answer the following questions:

1. What do you mean by the following symbols? Explain.

1

2

3

4

5



2. What is data-based setting?

3. A survey of eighty people (40 men and 40 women) was taken on what genre of movie they would choose to watch, and the following responses were recorded:
  - 12 men preferred comedy/family sas-bahu movies.
  - 12 men preferred action movies.
  - 16 men preferred horror movies.
  - 22 women preferred comedy/family sas-bahu movies.
  - 11 women preferred action movies.
  - 7 women preferred horror movies.

Prepare a two-way table from these responses.