DATA SCIENCE
TOUCHPAD

ORANGE

Worksheet

Name: ....

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

Date: ....

USE OF STATISTICS IN DATA SCIENCE

Unit-1

A. State whether the following statements are true or false.

1. Data science is a science of exploring available data and utilising it in your day-to-day transactions. ....

2. Population, sample, parameter, and statistic are four main terms in statistics.

3. A Data Frame is a three-dimensional data structure in which data is arranged in tabular form. ....

4. The number of subsets cannot be determined from the number of elements in the set. ....

5. A subset allows you to reduce the size of your dataset. ....

B. Match the following:

1. Subsetting the data
2. Frequency
3. Tally marks
4. Central tendency
5. Two-way frequency tables

a. the central or typical value of a probability distribution
b. help in counting the frequency of occurrence of something
c. visual representation of the possible relationships between two sets of categorical data.
d. number of times an event or a value occurs
e. a useful indexing feature for accessing object elements

C. Calculate the mean of the following dataset:

Array = {20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30}

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D. What do you mean by a low standard deviation?

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Grade: ⭐ ⭐ ⭐ ⭐ ⭐

Teacher's Signature: ....