**PES University, Bangalore**

(Established under Karnataka Act No. 16 of 2013)

**UE19CS203 – STATISTICS FOR DATA SCIENCE**

**Unit-1 - Introduction to Data Science**

**QUESTION BANK**

**Statistics**

**Exercises for Section 1.2**

**[Text Book Exercise – Section 1.2 – Q. No. [1 – 16] – Pg. No. [23 – 25]]**

1. True or false: For any list of numbers, half of them will be below the mean.

2. Discuss briefly two distinct applications where descriptive statistics can be used.

3. Explain how you would use descriptive statistical procedures at work?

4. Is the sample mean always the most frequently occurring value? If so, explain why. If not, give an example.

5. Is the sample mean always equal to one of the values in the sample? If so, explain why. If not, give an example.

6. Is the sample median always equal to one of the values in the sample? If so, explain why. If not, give an example.

7. Find a sample size for which the median will always equal one of the values in the sample.