Topic : 1 Statistical analysis

The Galaxy School

Biology Department

1. What is meant by following terms?
2. Mean
3. Standard deviation
4. Range / variability

**Collect and analyze the data to check whether there is significant difference between the force given by left hand and right hand.**

Skill required: Knowledge of statistical analysis

 Microsoft Excel

 Handling of data loggers and force sensor

You are expected to give a focused research question, to form a proper hypothesis , choosing and mentioning all variables correctly.

You are also expected

* to form a table giving proper heading with uncertainty,
* to process your collected data in Excel sheet with graphic presentation
* to give firm conclusion with supportive data from the results obtained

**Research question:**

**Hypothesis :**

**Variables :**

**Independent variable :**

**Dependent variable :**

**Control variables :**

**Data collection :**

**Raw data:**

**Table 1**

**Processed data:**

**Table 2**

**GRAPHS-**

**Conclusion :**