

**National Institute of Open Schooling**  
**Secondary Course : Economics**  
**Lesson 6 : Basic Economic Activities**  
**Worksheet - 6**

**Before performing any statistical analysis, data needs to be collected. Data collection can be done through various sources and the collection method depends upon the type of data to be collected. Answer the following questions keeping this statement in mind.**

1. Explain the types of data and give one example of each type of data.
2. What methods can you use for collection of above categories of data.

**Consider yourself as a statistical investigator who needs to study the income and consumption pattern of 40 families. You have to collect the income data from 40 families of your area and do the following.**

3. In order to collect the required data which method of collection would you be employing and why?
4. Arrange the collected data in either ascending or descending order.
5. Construct an inclusive type of frequency distribution taking suitable intervals. (You can make intervals of class size 4 or 9 or any number as you may find suitable).
6. Now, convert the above inclusive type of series into exclusive type and comment which of the two series is easier to understand and comprehend, and why?
7. Also, construct a cumulative frequency distribution of either “less than type” or “more than type”.

**If you are a statistical officer in a top organization which wants to collect the data on national income and savings. Then**

8. Which data source would you suggest for collection of required data and why?

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9. As an independent statistical officer should you rely on the data collected from the above source? Explain with reasons.
  
10. Is it possible to collect the above required data from some other source or through some different method? Support your answer with suitable reasons.