

2.5 GRAPHICAL PRESENTATION OF DATA

According to King, *'One of the chief aims of statistical science is to render the meaning of masses of figures clear and comprehensible at a glance'*. This is done by presenting the data in a pictorial (or graphical) form.

The graphical presentation of data has many advantages. The following statistician rightly observed that

- With but few exceptions, memory depends upon the faculty of our brains possess of forming visual images and it is this power of forming visual images which lies at the root of the utility of diagrammatic presentation.
—R. L. A. Holmes
- Cold figures are uninspiring to most people. Diagrams help us to see the pattern and shape of any complex situation. Just as a map gives us a bird's eye-view of the wide stretch of a country, so diagrams help as visualize the whole meaning of the numerical complex at a single glance.

—M. J. Moroney

According to Calvin F. Schmid, *'Charts and graphs represent an extremely useful and flexible medium for explaining, interpreting and analysing numerical facts largely by means of points, lines, areas and other geometric*