

Statistical charts and diagrams

English summary

Statistics is a mathematic branch that deals with collecting, analyzing, presenting and explaining data. Data graphic presentation improves the information understanding. We use tables to collect data and to prepare them for graphic presentation.

Frequency is the number of occurrences of a particular value or event. Data set are organized in tables called frequency tables.

To have a visual representation of data we use different type of charts.

- Line charts or Trend Graph
- Histograms
- Bar Charts
- Pie Charts.
- Maps.

Depends on the data set and depend form the goals we chose the best representation type. Charts are read more quickly is there is a title and a legend.

Statistics use mathematic value to describe data.

The arithmetic mean or average of a data set is the sum of all the values divided by the number of data.

Mode of an array of data is the value that occurs most frequently.

Median is the value separating the higher half of a data set from the lower half. The dada set must be sorted from lowest value to highest value in order to find the median. If the data set in made of an even number of data we take as median the arithmetic mean of the two middle data.