

Scope of Statistics

The scope of statistics is so vast and ever-increasing that not only it is difficult to define but also unwise to do so.

Statistics & State

Ancient times - military

fiscal policies

Crime

— military

— population

— taxes

Modern times - welfare state

Statistics in Business

Marketing what can be sold
purchasing power
habits of people
competition
transportation cost etc

Production

Decision $\left\{ \begin{array}{l} \text{what to produce} \\ \text{how much to produce} \\ \text{when to produce} \\ \text{whom to produce} \end{array} \right. \rightarrow \text{based largely on facts analysed statistically}$

Finance

Banking

Investment

Purchase

Statistics & Research

Experiments — crop yield < Different types of fertilisers
Different types of soils

Growth of animals < Different diet
Different environment

research in medicine & public health

Statistics & physical sciences

Astronomy
Chemistry
engineering
geology
metreorology

Statistics & Economics

Economics is concerned with generation & distribution of wealth as well as the complex institutional set up concerned with the consumption, saving & investment of income.

understanding of economic problems
formation of economic policies.