Introduction & types of deuta - Basic definitions. #111 - Statistics is the art of learning from data . It is concerned with the collect of data, their subsequent description, and their analysis, which often leads to the drawing of conclusions (sheldon M. Ross) - Description - Descriptive starts - concorned with the description (Etwo branches) and summarizan of data Genference - Inferential stats - drawing conclus from data Is possibility of chance (Probability)

- Population. The total collect of all the elements' that we are interested it.
- Sample A subgroup of population that will be studied in detail.
- 96 the purpose of analysis is to examine and explore info.
  for its own intrinsic interest only, the study is descriptive.
- If info. is obtained from a sample of population and purpose of study is to use-that info. to draw conclusion about the population, the study is interential.
  - A descriptive man bé performed either on a sample or bobulation.
    - when an inference is made about the population based on information from sample =) interential statistics.