I. Descriptive Statistics - Chapters 1 and 2:

- *Classification and Organization of Data* (e.g., frequency distributions, simple and cross tables),
- *Graphical Presentation of Data* (e.g., histogram, bar chart, pie chart, box-plot, line graph, error bars),
- *Numerical Description/Summarization of Data*
  - Measures of Location or Central Tendency (mean, median, mode)
  - Measures of Dispersion or Variability or Spread (range, standard deviation, variance)
  - Measures of Relative Standing or Position (percentiles, quartiles).

Statistics deals with Collection, Classification, Summarization, Organization, Analyses, and Interpretation of Data.
II. Probability and Probability Distributions - Chapters 3 - 6:

- Discrete and Continuous Random Variables and their probability distributions, Binomial probability distributions, Normal Distributions, Normal approximation for a binomial distribution, Concept and properties of sampling distributions, Central Limit Theorem.

Statistics deals with Collection, Classification, Summarization, Organization, Analyses, and Interpretation of Data.
III. Inferential Statistics based on one and two samples - Chapters 7-9: Utilize Sample Data to Make Point and Interval Estimate of Mean and Proportion, Difference Between Two Means and Two Proportions, Tests of Hypotheses about Mean(s) and Proportion(s), etc., about a larger set of data.

Statistics deals with Collection, Classification, Summarization, Organization, Analyses, and Interpretation of Data.