

Difference between descriptive and inferential statistics. Write down atleast 10-15 differences

Descriptive Statistics	Inferential Statistics
<ul style="list-style-type: none"> • The main purpose is to summarize and describe the features of a dataset. 	<ul style="list-style-type: none"> • The main purpose is to make inferences and predictions based on the given features about a population.
<ul style="list-style-type: none"> • The focus of descriptive statistics is to understand the characteristics of raw data. 	<ul style="list-style-type: none"> • The focus of inferential statistics to work on sample/samples of data acquired from a population.
<ul style="list-style-type: none"> • It provides insights about the given data. 	<ul style="list-style-type: none"> • It provides insights and predictions about an entire population.
<ul style="list-style-type: none"> • No assumptions are made. 	<ul style="list-style-type: none"> • Requires assumptions which are then tested.
<ul style="list-style-type: none"> • It measures: central tendency, dispersion and frequency distribution. 	<ul style="list-style-type: none"> • It tests hypothesis and applies regression to draw inferences.
<ul style="list-style-type: none"> • Statistical techniques used are mean, median, mode, range, standard deviation etc. 	<ul style="list-style-type: none"> • Statistical techniques used are z-score, t-test, ANOVA test, chi-squared test, linear regression etc.
<ul style="list-style-type: none"> • It gives information about individual variables. 	<ul style="list-style-type: none"> • It provides information about the relationship between different variables.
<ul style="list-style-type: none"> • It helps in describing a situation. 	<ul style="list-style-type: none"> • It helps in explaining the chance of an event happening.
<ul style="list-style-type: none"> • It explains already-known facts about a dataset. 	<ul style="list-style-type: none"> • It explains if the known facts can be applied to an entire population or not.
<ul style="list-style-type: none"> • It is achieved with the help of graphs, charts etc. 	<ul style="list-style-type: none"> • It is achieved by the use of probability.
<ul style="list-style-type: none"> • It is used in data visualisation process. 	<ul style="list-style-type: none"> • It is used as part of scientific research.