LEC #1 Statics And Probability Meaning of Statistics People view Statistics in many difference ways: thenevally it is considered to be a Subject that deal, with percentage, chart and tables. Some people think that Statistics is a subject consisting of rules, method and techniques of collecting and presenting large amount of information, while other people think that it is a subject of moving interence about the popolation. information. Statistes Observation Data Collection Analysis
Interpretation The word status, which comes from the latin word status, meaning a political state Orginally mean that information useful to

and done
Statistics is the discipline analysis the collection, organization, analysis interpretation and presentation of doctors
Example In the following example the facts and figures usually called Statistics Presented in media almost every day are given.
i) - The Bureau of census projects that the population to be 250 million in the year 2025. ii) - Eight out of ten pakistan do not have skills.
Use of statistical Information 1- To inform general public 2- To explain things that have happened. 3- To justify a claim.
4- To predict the decision regarding Furth- outcome. 5- To estimate the Unknown quentities.

The following example further explain how statistics may be used. Example:

Suppose we want to determine the best teacher at Govt College clowerity, tow Should we decide this. This could be done by asleing hout college University who the best teacher us. Fo do so, we collect the data analysis analyse the result and make decision. Now various question are: i) - should we Surveys every student?

10 - How long will the Servey be

conducted will the best teacher be

iii - How will the best teacher be determined.

To answer these and

The students, statistics techniques are used. Introduction to statistical theory by Sher Muhamme

Characteristics of statistics Statistics deals with aggregate of Observation of the same wind.

Statistics deals with the behaviour of aggregates or large group of data. every process of getting observations whether controlled or uncontrolled involves deficiences or chance variations. os espects of things which can be described monumerically either by measure ment, v- Statistical result might be misleading and incorrect if sufficient care in collecting, processing and interpretation of data 3 not expect exercised,

Importance of Statistics
- statictis assists in Summariuring the larger sets of dock in a form of that is easily understandable. - Statistics assists in the efficient design experiments as well as surveys.
well as surveys. - statistical techniques being powerful tools for analyzing numerical data.
A businers man em industrialist and regearch worker all employees statistical method in their work, Bank, Insurance companies and Government.
Statistics is used for data mining, Special recongnition, artificiall intelligence inchant and traffic modelling.