**Statistics**

**Date: 02/04/2014**

**Standards: CCSS: S-ID: Interpreting categorical and quantitative data**

**Objective: The students will explore the basic terminology in statistics**

**And write down the definitions with at least one example of each.**

**Terminology:**

* Describe the **descriptive statistics, inferential statistics**
* Define the types of data **Qualitative data (categorical data), quantitative data**
* Describe the levels of measurements: **Nominal, ordinal, interval, ratio (four levels of measurements)**
* Sampling methods: **random, systematic, stratified, cluster, convenience ( sampling methods)**
* Types of study: **Observational study, experimental study**
* Types of variables: **Discrete variable, continuous variable, explanatory variable or independent variable, outcome variable or dependent variable, confounding variable**
* Define: **Population, sample, good sample, bad sample, parameter, statistics**
* **Boundaries of given quantity**
* **What is meant by variable in statistical study?**
* Voluntary response
* Control group, treatment group
* Data value or datum, data