**Department: Mathematics Course: Statistics 2016-2017**

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| **WORDS** | **Basic Definition** | **Comprehension Support** |
| Qualitative data | Consists of names or labels that are not numbers representing counts or measurements |  |
| Quantitative data | Consisting of numbers representing counts or measurements |  |
| mean | The measure of center found by adding the data values and dividing the total by the number of data values |  |
| median | The measure of center that is the middle value when the original data values are arranged in order of increasing magnitude |  |
| mode | The value that occurs with the greatest frequency |  |
| statistic | A numerical measurement describing some characteristic of a sample |  |
| parameter | A numerical measurement describing some characteristic of a population |  |
| population | The complete collection of all measurements or data that are being considered |  |
| sample | A subcollection of members selected from a population |  |
| experiment | We apply some treatment and then proceed to observe its effects on the subjects |  |
| Observational study | We observe and measure specific characteristics, but don’t attempt to modify the subjects |  |
| histogram | A graph consisting of bars of equal width drawn adjacent to each other. |  |
| Standard deviation | A measure of how much data values deviate away from the mean |  |
| probability | The calculated chances of an event occurring |  |
| Normal distribution | A symmetric, bell-shaped distribution |  |
| Discrete data | Values that are finite or countable |  |
| Continuous data | Infinitely many possible quantitative values |  |
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