

} Statistics  
MATH-1342  
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\* Data collection statistics: science of collecting, organizing, summarizing, analyzing, information.

Vocabulary: Data - information, about individuals that make up a population.

population: entire group under study.

Sample: subset of population, usually more than one individual.

Descriptive statistics: consists of organizing and summarizing data, often using

tables, graphs.

Inferential: use methods that take a result

from a sample, extend it to population,  
measure reliability.

Variable: Characteristics of individuals in  
population.

Qualitative: Categorical variables based on  
attributes.

Quantitative: numerical measures that can  
be added / subtracted for meaningful  
result.

→ Discrete: finite or countable number of  
positive values.

→ Continuous: Has an infinite number of  
possible values.