**Sampling Techniques**

**Random sample**

* **Simple random sample**

* **Stratified Sample**

* **Systematic sample**

**Convenience Sampling**

# Sampling error

**Example 6:** You are doing a study to determine the opinions of students at your school regarding stem cell research. Identify the sampling technique you are using when you select the samples listed.

1. You divide the student population with respect to majors and randomly select and question some students in each major.

1. You assign each student a number and generate random numbers. You then question each student whose number is randomly selected.

**You Try:** You are doing a study to determine the opinions of students at your school regarding stem cell research. Identify the sampling technique you are using when you select the samples listed.

a. You select students in your statistics class.

a. You assign each student a number and, after choosing a starting number, question every 25th student.



**Example 7:** You would like to determine if there is a difference between male and female US college students and the number of text messages they send in a day.

1. Population:

1. Sample:

1. Questions that must be asked

1. Possible additional questions that relate to the topic

**Example 8:** You would like to determine if there is a difference between the final grade received in a college math course and the number of classes attended for freshmen at private colleges in the US. a. Population:

1. Sample:

1. Questions that must be asked

1. Possible additional questions that relate to the topic

Practice Exercises