

## BASIC SAMPLING

TEXT: 1.2

LAST NAME	FIRST NAME	DATE
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1 (8 points). For this activity, you will be divided into 6 or so groups with 4 or 5 people in each group. If you haven't yet, introduce yourself to your group, and exchange pleasantries. Your group will be provided with a sampling frame containing names of students enrolled in your class. Your group will conduct a few data collection studies, so you should discuss how you will split the workload among yourselves, and make sure that every member of your group understands what you are doing.

(a) Think of a qualitative question to ask:

(b) Is the variable you are measuring nominal or ordinal?

(c) Use the provided data frame to generate a simple random sample of size 7.

R command for choosing a random sample:

Sample indices:

(d) Administer the question to the chosen individuals. Collect the responses:

- |    |    |
|----|----|
| 1. | 5. |
| 2. | 6. |
| 3. | 7. |
| 4. |    |

2 (8 points). The setup is the same as in the previous activity.

(a) Think of a quantitative question to ask:

(b) Is the variable you are measuring discrete or continuous?

(c) Use the provided data frame to generate a systematic random sample of size around 7. Due to how the systematic sample works, the sample size cannot be guaranteed, so it's OK if comes out to be 6 or 8.

Period:

R command for choosing the first index:

Sample indices:

(d) Administer the question to the chosen individuals. Collect the responses:

- |    |    |
|----|----|
| 1. | 5. |
| 2. | 6. |
| 3. | 7. |
| 4. | 8. |