



## Milestone 2: Sampling

**Background:** A primary school (grades 1-6) of 900 students is divided into 30 classes with 30 students in each class. Each grade, grades 1-6, has five classrooms (so 150 students in each grade). The principal is interested in the average height (in centimeters) of students at the school, but does not have the time to measure all 900 students. Instead, she will devote the time and resources to measure 150 students at the school.



The principle evaluates two potential sample designs: (1) simple random sample, and (2) stratified sample.

### Assignment:

1. Save the provided .do file called **m2\_samplingexercise.do** in your course/code.
2. Save the two provided datasets (**m2\_classSRS.dta** and **m2\_classStrat.dta**) in your course/data folder.
3. Open m2\_samplingexercise.do in Stata.
4. Update the `use` statements to open the datasets from your computer.
5. Run the provided code, and answer all of the questions. Enter your answers in commented sections that start with `/*` and end with `*/`. Be sure to save your .do file before closing it.
6. If in a Population Survey Analysis course, call your .do file m2\_NAME.do and submit it as instructed.

**Grading Rubric:**

	Potential points	Assigned points
Student opens the m3_classSRS dataset (1 point) from the correct course/code folder (1 point)	2	
Question 1 is correct	1	
Question 2 has a response (1 point) demonstrating critical thought (1 point)	2	
Question 3 is correct	1	
Student generated fpc_students variable	1	
Question 4 is correct	1	
Student generated weight_students variable	1	
Question 5 is correct	1	
Question 6 has a response (1 point) and it is correct (1 point)	2	
Student opens the m2_classStrat dataset (1 point) from the correct course/code folder (1 point)	2	
Question 7 is correct	1	
Question 8 is correct	1	
Question 9 has a response (1 point) demonstrating critical thought (1 point)	2	
Question 10 is correct	1	
Student generated fpc_students variable	1	
Question 11 is correct	1	
Student generated weight_students variable	1	
Question 12 has a response (1 point) and it is correct (1 point)	2	
Question 13 is correct	1	
TOTAL	25	

**Student Name:** \_\_\_\_\_**Grade:** Assigned points / potential points \* 100 = \_\_\_\_\_