

M9X - Advanced Placement Statistics - Chapter 2

Sampling Methods

October 23, 2023

Dear Students,

Please carefully study (the second part of) section §2.2 of your textbook. You should fully understand all the concepts and the terms introduced in this section, including:

- the importance of a sample being *representative* of the population, so the study findings can be *generalized*
- *simple random sampling* (SRS)
- *sampling frame*
- sampling *with* and sampling *without replacement*
- *stratified* random sampling
- *cluster* random sampling
- *systematic* sampling
- *convenience* sampling

We will discuss *bias in sampling*, which is covered in the early part of section §2.2, tomorrow in class. Once you finish studying, proceed by answering problems: 2.14, 2.18, 2.24, and 2.26

Your work should be uploaded electronically and not turned in by email or on paper.

Mr. Demopoulos & Ms. Erayil