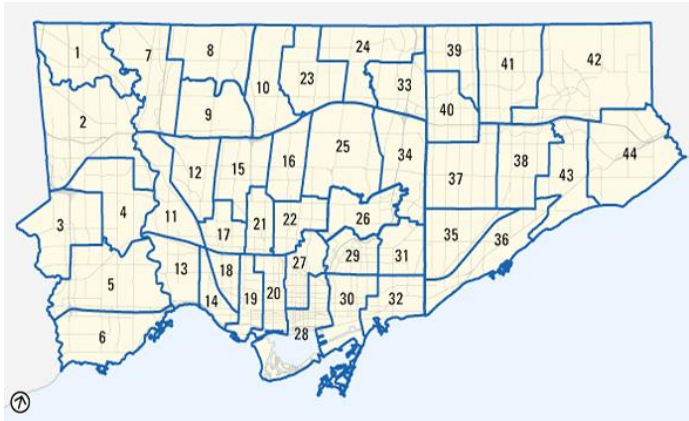


Name:

Date:

MBF3C – Statistics - Day 2 (Sampling Techniques)



You are interested in the upcoming Toronto mayoral election. Anyone who lives in Toronto can vote. Toronto's population is approximately 2.6 million people and the city is broken into 44 wards as shown.

If you are interested in running a survey to accurately predict the results of the election,

1. What is your population of interest?
2. For each type of sampling listed below, explain how you would sample the population and some biases that each method could introduce.

a. **Simple Random Sampling** -

Method:

Possible Bias:

b. **Stratified Sampling** -

Method:

Possible Bias:

Name:

Date:

c. **Cluster Sampling** -

Method:

Possible Bias:

d. **Convenience Sampling** -

Method:

Possible Bias:

e. **Voluntary Sampling** -

Method:

Possible Bias: