In-Class Worksheet

STAT011 with Prof Suzy

Week 6: Sampling and design

Name:
Instructions: There are two parts to this worksheet. First, work on the five questions in Part 1 by yourself. Then, when instructed by your professor, get into groups to discuss your answers to Part 1 and move on to complete Part 2.
Part 1. Consider Random Sampling in Phone Surveys
A sociologist plans to select 500 names from the city phone book, call these numbers between noon and 4pm, and will interview whoever answers for their research project. The researcher anticipates contacting at least 200 people.
1.1) Why is it difficult to use a simple random sample here?
1.2) What is a more convenient, but still random, sampling strategy?

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