Homework Solutions
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Exercise 30

(a) This is a stratified sample, although it is a poor example of that because there is no significance to the strata.

(b) No. People whose names begin with X probably have a high probability of being selected because there are not many such people and 10 of them will be selected. On the other hand, there are many people whose name begins with J, so each such person has a small chance of being selected.

(c) This is selection bias. The selection method itself eliminates the possibility of some people being in the sample.