

Homework Solutions

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Exercise 25

- (a) This is a stratified sample.
- (b) There are 420 homes in Section I and they are labeled 1 through 420. So set the seed to 75 and enter `randInt(1,420)` and press `ENTER` 5 times. You should get 386, 81, 379, 81, and 211. Because 81 was repeated, hit `ENTER` once more to get 156.
- (c) We need to use a weighted average with Section I weighted 60% and Section II weighted 40%. We get

$$0.60 \times 2100 + 0.40 \times 2600 = 1260 + 1040 = 2300 \text{ sq. ft./home.}$$