

Homework Solutions

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Exercise 37

- (a) This is a cluster sample. The departments are the clusters.
- (b) I would list the departments in alphabetical order and then number them 1 through 60. Set the seed to 79, enter `randInt(1,60)`, and press ENTER 6 times. You should get 54, 37, 49, 5, 15, and 43.
- (c) Yes. Any given professor will be selected if his department is selected. The chances that his department is selected is $6/60 = 0.10$, so each professor's chances of being selected is 0.10.