Homework Solutions
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Let's Do It! 8.1

This is a repeat of Example 8.2. To speed things up, this time I used `randBin(4,.50,50)` to get 50 samples of size 4, where 0.50 of the population is female.

(a)

Number of Women	Sample Proportion $\hat{p}$	Tally	Frequency	Proportion of All Trials
0	0.00	1111	4	0.08
1	0.25	~~1111~~ ~~1111~~ 11	12	0.24
2	0.50	~~1111~~ ~~1111~~ ~~1111~~ 1111	19	0.38
3	0.75	~~1111~~ ~~1111~~	10	0.20
4	1.00	~~1111~~	5	0.10

(Your results may differ.)

(b) 8%, 24%, 38%, 20%, and 10%, respectively. (Your results may differ.)

(c) It is roughly symmetric and unimodal.

(d) I'll combine my frequencies the ones that I got in Example 8.2.

$\hat{p}$	Freq.	Proportion
0.00	6	0.06
0.25	23	0.23
0.50	44	0.44
0.75	21	0.21
1.00	6	0.06