7.1b

<u>Sampling Distribution</u>: The distribution of values taken by the statistic in all possible samples of the same size.

(ideally want ALL possible samples of ther Same size)

To get an approximation of the sampling distribution:

- Take many samples
- Calculate the statistic of interest for each (\bar{x}, \hat{p})
- Graph the statistics
- examine SOCS shape outlier center sprea

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