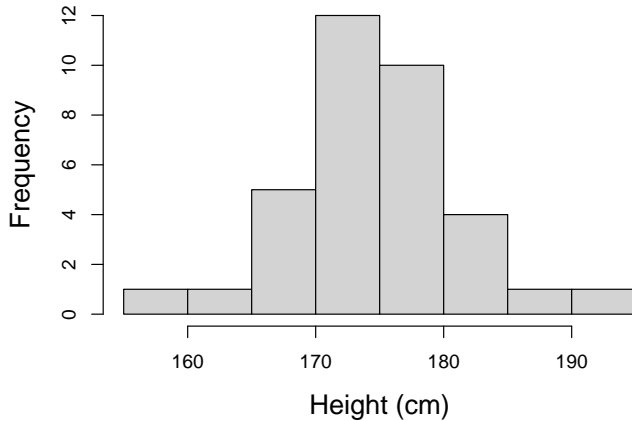**STAT 310, HW 5**
Due: Thursday, April 13

Directions: Please submit your completed assignment to Canvas in PDF format.

Reading: Section 7.1 from *OpenIntro*

Exercise 1. Below are some summary statistics and a histogram of the heights (cm) of a random sample of $n = 35$ adult men in the United States. Calculate and interpret a 95% confidence interval for the population mean μ. Also comment on whether the conditions for the interval appear satisfied.

n	$\bar{x}$	s	min	max
35	174.8	6.65	158.7	190.5

Exercise 2. Calculate the critical value t^* for the given sample size and confidence level.

(a) $n = 6$, CL= 90%

(b) $n = 25$, CL= 95%

(c) $n = 12$, CL= 99%