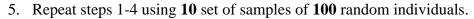
## Methods in Experimental Ecology II (PCB 6468) Exercise 4 - Averages

Using the script Averages . R, calculate for 10 sets of samples of 10 random individuals:

- 1. Mean height using *frequentist* estimates.
- **2.** Mean height using *Bayesian* estimates with *uninformed* priors.
- 3. Mean height using *Bayesian* estimates with the same *informed* priors as shown in class.
- 4. Obtain the *confidence and credibility intervals* of each estimate.



- 6. Present and plot all your results in an informative way.
- 7. Discuss the differences between approaches with small and large sample sizes.

**NOTE1:** Remember to use the same data to compare approaches for each set, but to change it between sets.

**NOTE2:** Please submit your paper as a single word document (1 or 2 pages). Remember to include your raw data and all the appropriate R code as appendices at the end.

