

## CIT460

### Assignment 1

1. Create a data frame based on the following data:

	Height	Weight
Joe	167	63
Sue	145	55
Jane	155	57
Adam	190	71
Bob	164	70
Dale	155	52
Kim	152	53
Trish	161	61

2. Use the first column of previous data frame and create a second data frame

	Sex
Joe	M
Sue	F
Jane	F
Adam	M
Bob	M
Dale	M
Kim	F
Trish	F

3. Combine the two data frames into one data frame object
4. In this exercise you are working with a built in objects `state.abb` and `state.center`.
  - a) After studying their contents, combine the info into a data frame that contains the names, latitude, and longitude of all states.
  - b) Declare a vector called `northeast` containing the following states: NY, PA, MA, VT, CT, NJ, MD, NH, and RI
  - c) Use the vector above to filter the data frame in step a.
5. In this problem, you will be working with the `state.c77` built-in table. Convert it to a data frame if needed. Print the names of the top 5 states with the highest life expectancy. (hint: sort by life expectancy, head the top values and get the names)