

## Assignment 2

A) Assuming you have 10 friends. Create a data frame of their names and ages. Name the data frame df and use it in a function to answer the following:

- 1) The mean of age
- 2) Standard deviation of age
- 3) The minimum age
- 4) Maximum age

B) Create a function that gives you the column names of the data frame you created in A above.

C) Assuming you had a pig farm for the past 10 years. Create a function to calculate the sum of the weight of one pig for the last 10 years. Let's say weight is given by (this is made up just for the exercise):

Weight = (square of pig age/year) \* feed quantity

More assumptions:

- 1) In an odd year the feed quantity is 40 and 10 for an even year.
- 2) The age of the pig is equal to time