Copy the # Comments below into an R script. Add your R script solution below each comment. Run your Script so your solution for each question appears below the comment as is illustrated as directed below in item A-0. Execute item A-0 brings the dataset into you project

Upload your project in the M1 Project assignment in Module 1, (BUT…it is due on Thursday of Module 2.)

**#REFERENCES**

#Ref: <https://www.statmethods.net/advgraphs/ggplot2.html>

#Ref: <https://www.datanovia.com/en/blog/ggplot-point-shapes-best-tips/>

#Ref: <http://environmentalcomputing.net/plotting-with-ggplot-colours-and-symbols/>

#Ref: Andy Fields: Discovering Statistics Using R

#Ref: R Kabacoff: R in Action

**#DIRECTIONS**

#After each numbered item, Copy the comment and then your solution onto THIS Project #Specification Sheet. #See Item A-0 as an example.

#ALY6010V4B-M1-Project1

#A0 ACCESSING YOUR DATASET: execute the following line of code

source("http://www.openintro.org/stat/data/cdc.R")

#A-1: Explore the cdc dataset: Provide names of variables, the number of records

##Verify you have the cdc dataset: Display the first few records of cdc

#Summarize statistics on all variables.

#A-2 Display a scatter plot of height versus weight...

#A3 Create an temp object < cdcP1 > # Randomly Select and display 3 rows from cdcP1

#A4 Create a < subsetCDC > which includes only attribute height, weight gender

#Display the first 3 records of < subsetCDC >

#A5 Create an object < snapShot > which includes a random subset of 100 records from

#A6 Display 100 records (weight and gender only) of snapShot's

#A7 Create a < tmp > file of the first 50 records from < snapShot >

#A8 DISPLAY the "gender" column of the tmp object

#A9 CREATE an object < cols > with the two elements: "red" and "gray60"

#and an object < pchs > object with integers 3 and 4

#A10 CONVERT the tmp$gender to numeric

#A11 Associate the cols object with tmp era gender values

#A12Plot a scatter plot of the less cluttered < snapShot > title="50 Records,

#label the X and Y axis as Weight and Height, change the data symbol to < + > and color red

#A13Let’s unclutter some more: Reduce the snapShot records to only those for females. Display

#A14 plot the female only version of snapShot..label appropriately. Change col to blue

#A15 Add a regression line to the Female snapshot plot with dashed color < cadetblue > regression