CIS 635 Data Mining Name : Dhynasah Cakir

Homework 1 Score \_\_\_\_\_\_\_\_\_

Hand in sheet

Write in or copy and paste the answers for the following:

Part A

1. attributes  
     
   \_\_\_\_\_\_Main character or supporting character  
     
   \_\_\_\_\_\_\_\_Royalty or not\_\_  
     
   \_\_\_\_\_\_In the north or south\_\_\_\_  
     
   \_\_\_\_Joined forces with Denayrus and John Snow\_  
     
   class \_\_\_\_\_\_\_\_\_Main character/ supporting character\_\_\_\_\_\_\_\_\_\_\_\_  
     
   training set: The list of Characters
2. attributes  
     
   \_\_\_\_\_\_\_\_\_Age\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
     
   \_\_\_\_\_Gender \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
     
   \_\_\_\_program \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
     
   \_\_\_\_\_\_Ethnicity\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
     
   proximity measure \_\_\_\_\_\_\_\_\_\_\_Age\_\_\_\_\_\_\_\_\_\_

Part B

1. command for # 5 iq = rnorm(100,mean=100,sd=20)
2. command for # 6 iqadd = iq+10
3. command for # 7 mean(iqadd)

sd(iqadd)

1. # 8 mean std dev  
    100 101.79 19.86  
     
    1000 100.04 20.6  
     
    10000 100.2 19.93  
     
   what happens to mean? It gets closer to 100 when the number jumps from 100 to 1000. And from 1000 to 10000 it is still pretty close to 100 but not as close  
     
   what happens to std dev? It gets closer to 20 the higher the elements get.   
     
   explain as the number of elements, or samples increases the closer we get to a normal distribution or to a very accurate distribution.