Statistics Methods project

Project description:

-In this python project you can implement all statistics methods easily and draw all graphs which you studied over the term like normal distribution , histogram and so on.

-you can also implement the complex method like z-score , variance and so on very easily.

How it works ?

Firstly:

When you enter the program the main menu will appear that contains 2 choices :

1-for implementing graphicals methods like histogram , piechart and so on

2-for implementing normal methods that doesn’t needs to graph to draw like z-score ,mean ,median, and so on .

-In case you entered 1:

A new list will appear that contains 8 choices :

Draw bar-chart ( 1 ) :

Draw pie-chart ( 2 ) :

Draw Histogram ( 3 ) :

Draw correlation ( 4 ) :

Draw regression ( 5 ) :

Draw Box-plot ( 6 ) :

Draw Dot-plot ( 7 ) :

Draw Normal dist. ( 8 ) :

-You can enter your choice based on what method you need to do .

-In case you selected 1 :

You should enter x-axis elements respectively separated by ”,” in the first line and press “Enter”.

Then ,in the next line you should enter y-axis elements respectively separated by ”,” in the first line and press “Enter”.

And the bar-chart graph will appear in the screen .

After finishing your task you can press “1” to continue or “0” to exit from the program directly.

-In case you selected 2 :

You should enter x-axis elements respectively separated by ”,” in the first line and press “Enter”.

Then ,in the next line you should enter y-axis elements respectively separated by ”,” in the first line and press “Enter”.

And the pie-chart graph will appear in the screen .

-In case you selected 3 :

You should enter number of points and press “Enter ”

Then, enter the number of bins and press “Enter ”

And the histogram will appear in your screen

-In case you selected 4

You should enter x-axis elements respectively in the first line and press “Enter”.

Then ,in the next line you should enter y-axis elements respectively and press “Enter”.

And the correlation graph will appear in the screen.

Then you can repeat these steps to perform any function in the program .

-In case you entered 1:

The method list will appear in this form :

get mean for some values ( 1 ) :

get median for some values ( 2 ) :

get standard deviation for some values ( 3 ) :

get variance for some values ( 4 ) :

get mode for some values( 5 ) :

get Z-score for value ( 6 ) :

You can choice the method that you need to perform and Enter the values respectively separated by ”,” and press “Enter ” ,then you will get the value .

….................THANK YOU...................