

STATISTICS PROJECT

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Description

It's a simple program that implements a lot of the statistical calculations simply by entering your data and letting the program works!

System functions

Our system could calculate the next operations:

1. Mode
2. Median
3. Mean
4. Variance
5. Standard Deviation

It also implements a lot of statistical graphs:

1. Pie Chart
2. Bar Graph
3. Histogram
4. Scatter Plot
5. Correlation
6. Regression
7. Bos Plot

How to use

Attention! you have to import these libraries to run the program correctly:

```
from tkinter import *
from tkinter import messagebox
import statistics
import collections
import math
import pandas as pd
import numpy
import matplotlib.pyplot as plt
```

On the GUI of the system, there are two inputs (X-List, Y-List)

If the user will use any of the following calculation (mean, mode, median, variance, standard deviation, Pie Chart, Bar Graph, Histogram, Bos Plot), He will enter only the samples of x list.

But if the user will use the rest of calculation, He will enter the two lists data.

After entering the data, you can click at any functionality in the system and the result will appear to you simply!