## horizontal line



Statistical analysis for salaries program

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Ayaalla Mohamed Eltabey Section (5)  
Ebtihal Sherif Youssef Section (1)  
Gehad Wael farouk Section (6)  
Salma Naguib Section (8)  
Sameha mohamed Hatem Section (8)

# Overview

It is a system that takes a csv file contain salaries & worked hours of employees and make some statistical operation on the salary & worked thier hours.

# Goals

1. Calculate Descriptive Statistic.
2. Calculate Correlation / Regression .

# Specifications

Descriptive Statistic : -

* The Sum of Salaries.
* The Maximum Salary & The Minimum Salary.
* The Mean of Salaries.
* The Median.
* Standard Deviation.
* The Variance.

# How to Use Our System

## Import the Excel Sheet from your PC :

## 

## Example of what the data should be like

1. hint( you can enter any CSV file that contains Hours And Salary Columns )

## 

## Choose your Option :

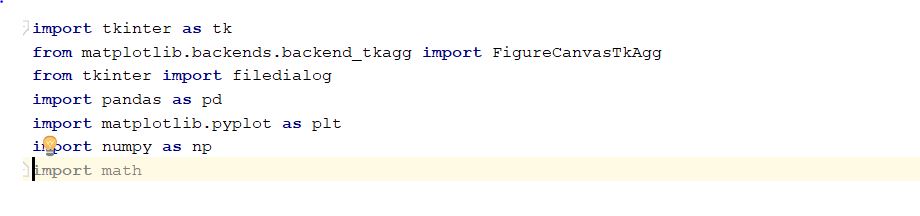
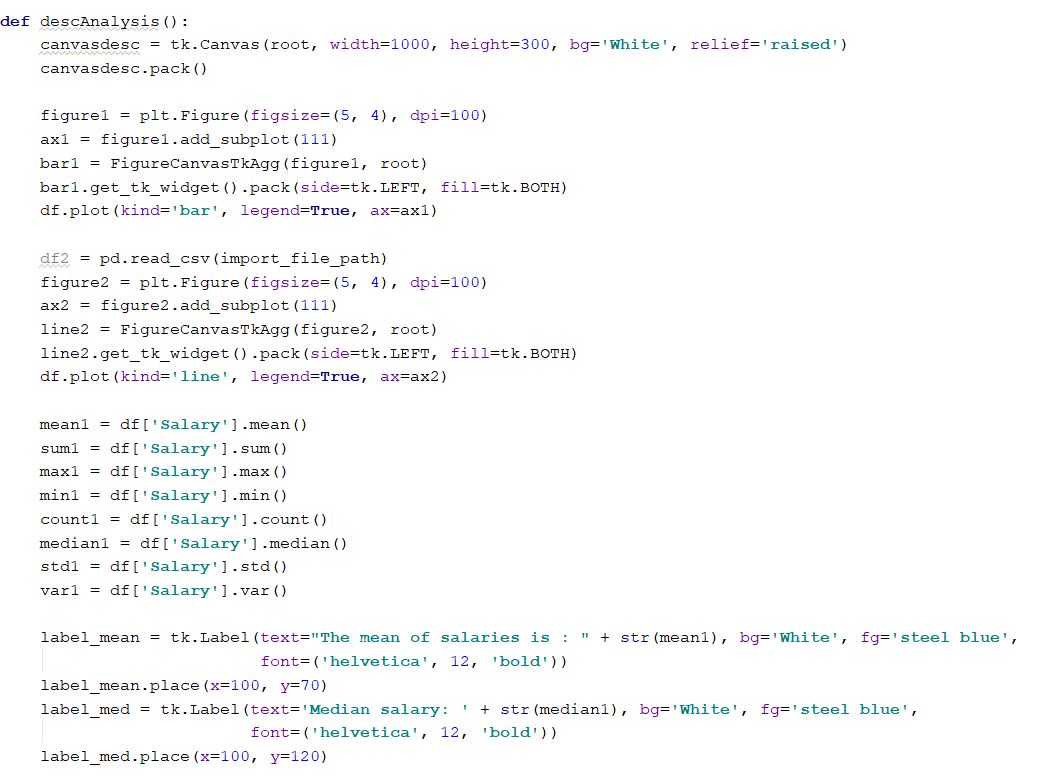
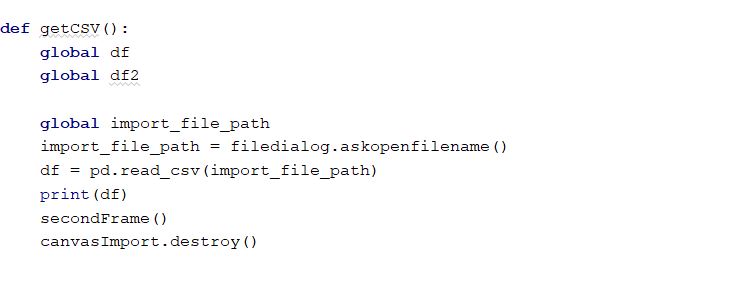
1. Descriptive analysis for one dataset column “salary”
2. Correlation and regressions for two dataset columns “Hours & salary”

## 

## The System gives you the Results & bar Chart graph & Line graph ( if the user choose cal. descriptive statistics ) :

## The System gives the user the correlation value & Correlation type& Scatter Plot with regression line ( if the user choose cal. Correlation ) :

# Some Parts of Code :

* Imported Packages (using Python 3.7 ): 
* Calculate Descriptive Statistic function:
* Reading the file :
* Calculation The Correlation and regression function: 