



Instruction for Students

The Assessment is divided into Two parts

- Basic Python Programming
- Data Analysis for Python Programming

The students need to write python program in Jupyter notebook

The students need to ensure that comments are written for the python programs

The Data Analysis task needs have at least 5 different analyses based on the dataset given.

Basic Python Programming

1. Can you write a program to find the average of odd numbers in the given list?
2. Write a Python Program to Find the third Largest Number in the given list?
3. Write a Python Program to find the count of Even and odd numbers in the given list?

Data= [68, 71, 21, 68, 32, 80, 64, 52, 92, 97, 93, 37, 61, 62, 23, 81, 67, 84, 33, 41, 92, 51, 71, 52, 92, 43, 80, 74, 69, 92, 79, 78, 70, 31, 34, 79, 73, 77, 96, 87, 53, 47, 85, 58, 58, 87, 44, 29, 94, 23, 65, 49, 71, 57, 96, 74, 30, 65, 62, 85, 34, 21, 81, 79, 84, 87, 22, 45, 59, 91, 26, 22, 46, 71, 60, 21, 67, 21, 56, 38, 82, 95, 77, 55, 37, 61, 59, 89, 61, 75, 97, 72, 58, 23, 78, 20, 95, 67, 59, 56, 93, 82, 35, 78, 94, 67, 29, 95, 90, 80, 78, 73, 91, 52, 59, 96, 46, 94, 99, 78, 53, 40, 67, 76, 73, 46, 77, 40, 34, 38, 34, 42, 69, 86, 61, 76, 21, 90, 52, 65, 36, 93, 55, 86, 95, 65, 30, 89, 86, 20, 92, 46, 58, 75, 43, 57, 53, 42, 43, 37, 26, 95, 58, 31, 73, 71, 63, 70, 72, 78, 26, 39, 35, 58, 84, 56, 24, 73, 36, 75, 32, 35, 56, 87, 87, 73, 80, 78, 25, 63, 38, 94, 36, 90, 70, 65, 34, 61, 44, 85, 41, 50, 23, 34, 20, 87, 84, 30, 21, 84, 65, 85, 88, 73, 54, 47, 77, 41, 35, 71]

Data Analysis for Python Programming

Task:  
Develop a Sales Analysis by using the dataset set given in the link

[https://bostonin-my.sharepoint.com/:u:/g/personal/krishna\\_mouli\\_bostonindia\\_in/Ec\\_0wGWIsOtNtbghyT9KFwoBjtl8LMYcD\\_C0GbKxzaUQ?e=MOmLWm](https://bostonin-my.sharepoint.com/:u:/g/personal/krishna_mouli_bostonindia_in/Ec_0wGWIsOtNtbghyT9KFwoBjtl8LMYcD_C0GbKxzaUQ?e=MOmLWm)

Information of the data

Context

This Online Retail II data set contains all the transactions occurring for a UK-based and registered non-store online retail between 01/12/2009 and 09/12/2011. The company mainly sells unique all-occasion gift-ware. Many customers of the company are wholesalers.

Content

Attribute Information:



InvoiceNo: Invoice number. Nominal. A 6-digit integral number uniquely assigned to each transaction. If this code starts with the letter 'c', it indicates a cancellation.

StockCode: Product (item) code. Nominal. A 5-digit integral number uniquely assigned to each distinct product.

Description: Product (item) name. Nominal.

Quantity: The quantities of each product (item) per transaction. Numeric.

InvoiceDate: Invoice date and time. Numeric. The day and time when a transaction was generated.

UnitPrice: Unit price. Numeric. Product price per unit in sterling (£).

CustomerID: Customer number. Nominal. A 5-digit integral number uniquely assigned to each customer.

Country: Country name. Nominal. The name of the country where a customer resides.

Enter your code below as you answer