

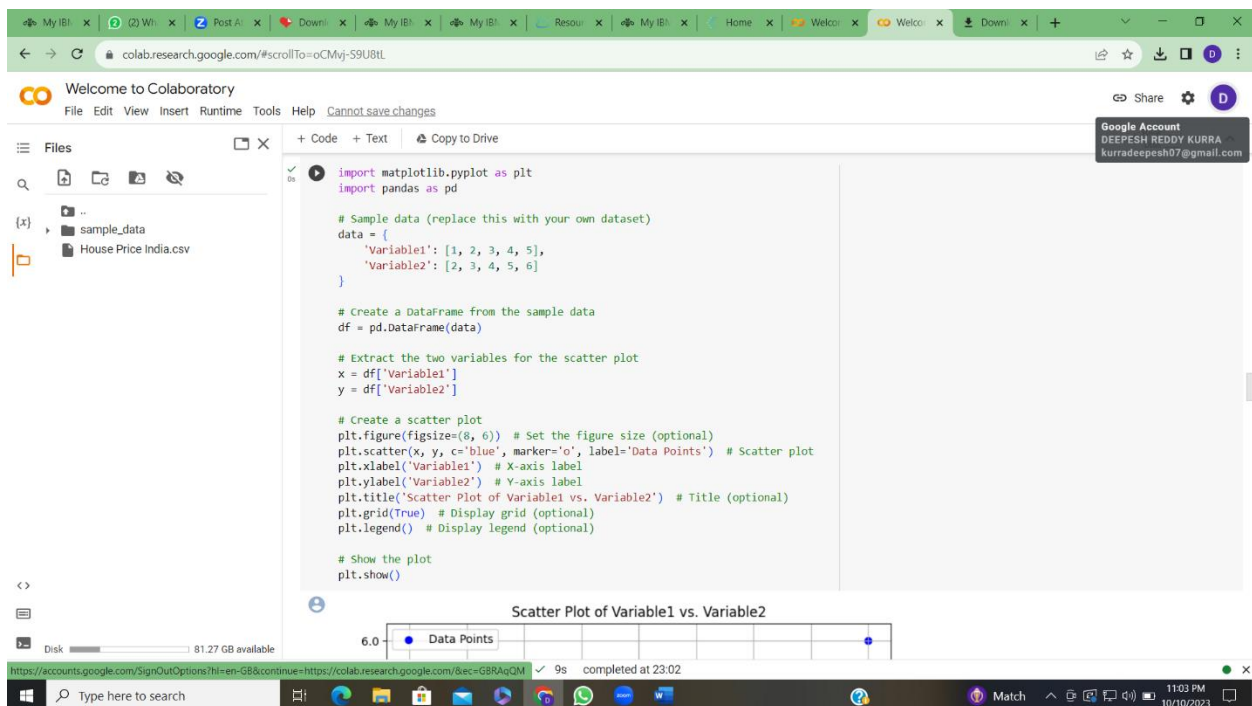
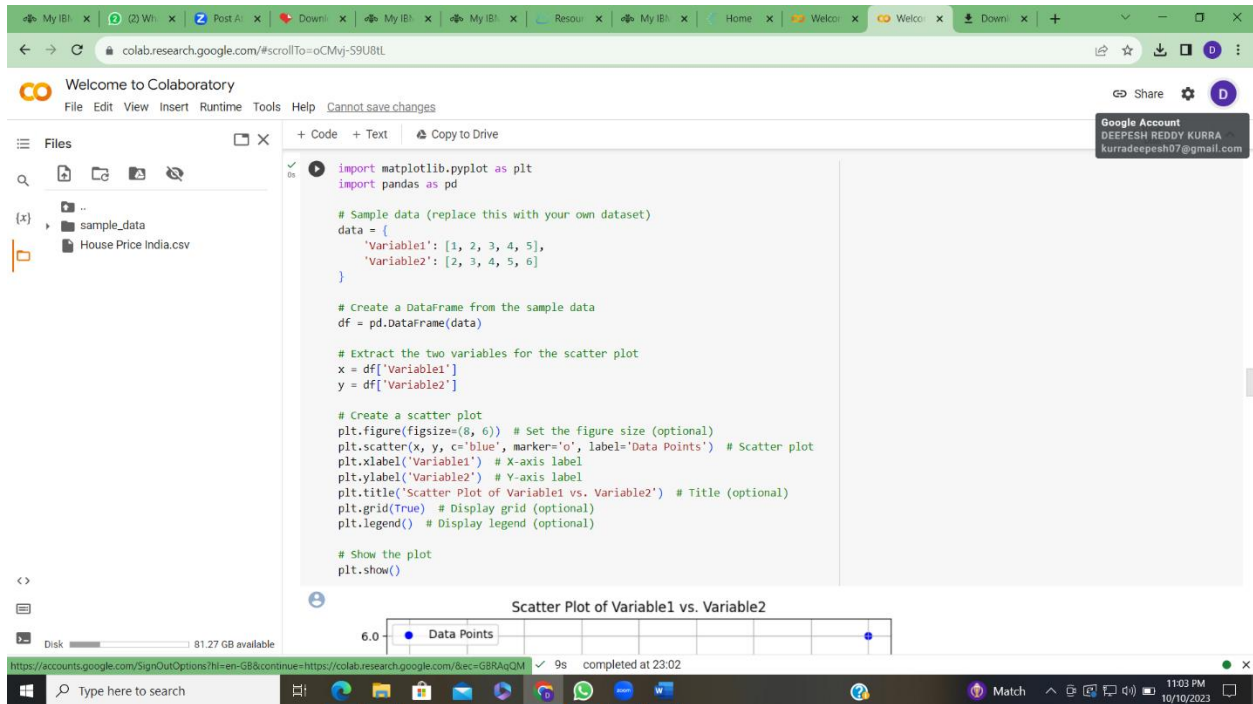
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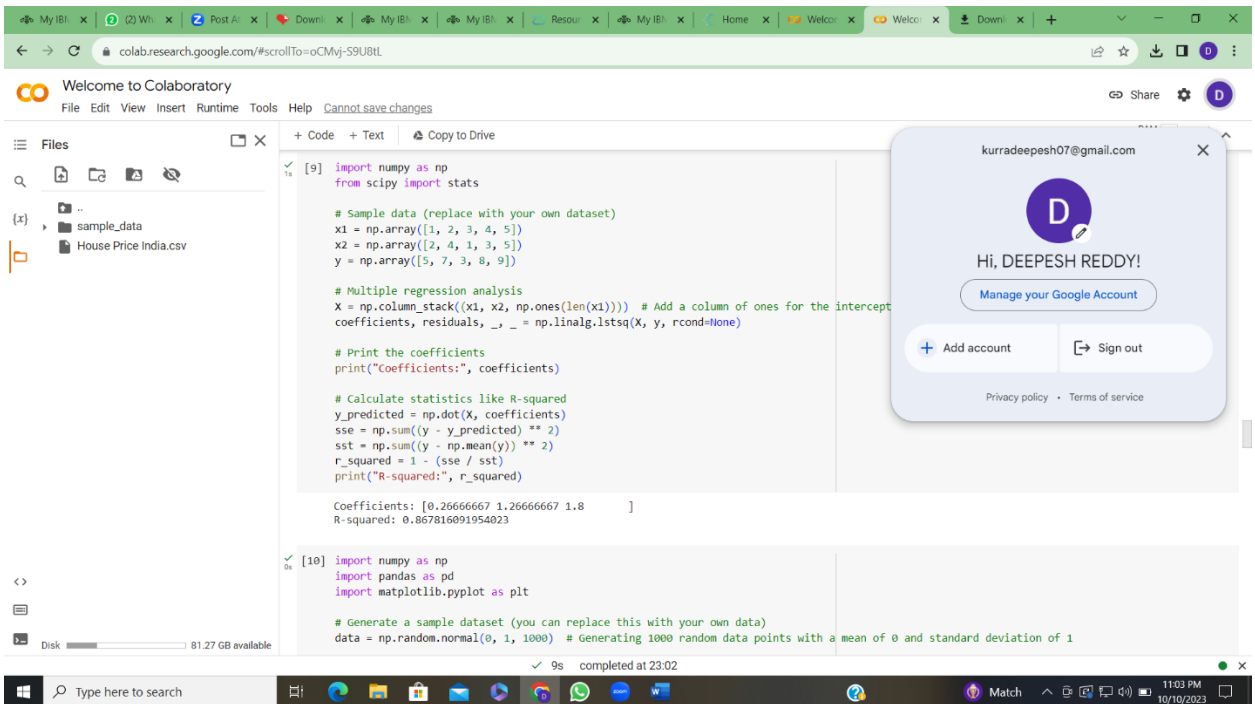
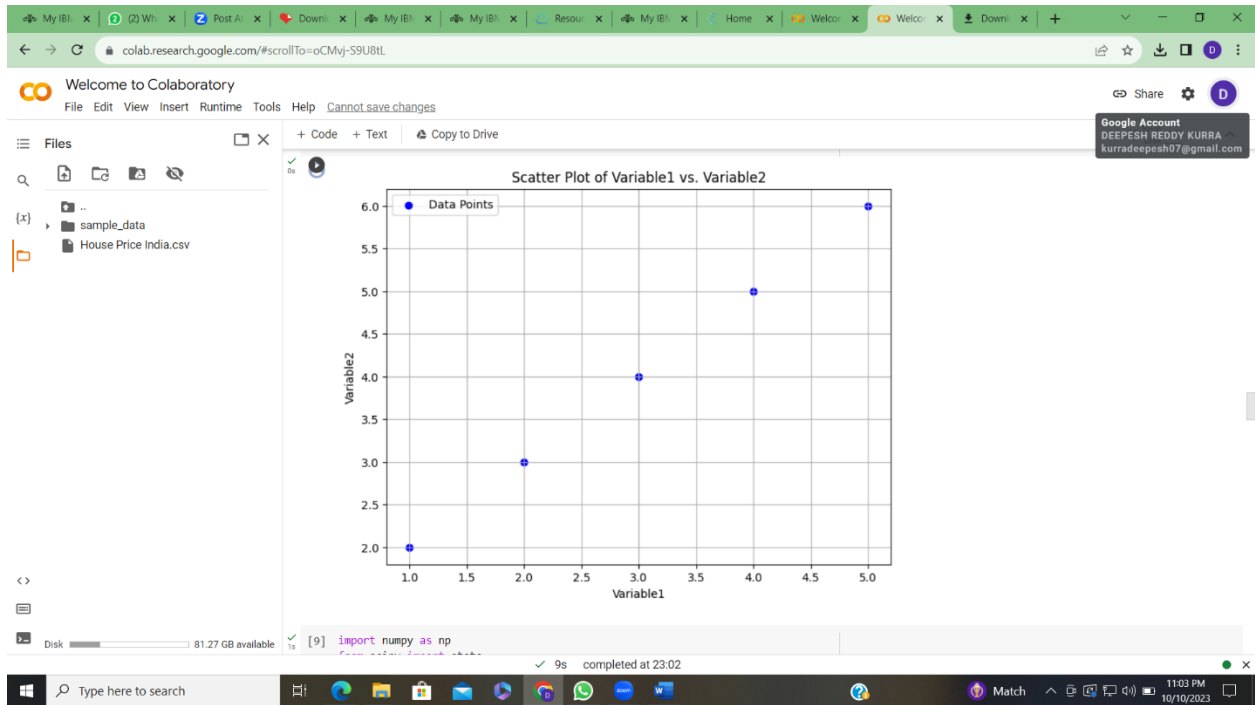
ASSIGNMENT – 3

NAAN MUDHALVAN

Name : KURRA DEEPESH

Reg no : 723920243022





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Files

- sample_data
- House Price India.csv

```
# Create a pandas DataFrame
df = pd.DataFrame(data, columns=["Value"])

# Summary statistics
mean = df["Value"].mean()
median = df["Value"].median()
std_dev = df["Value"].std()

print("Mean:", mean)
print("Median:", median)
print("Standard Deviation:", std_dev)

# Create a histogram to visualize the distribution
plt.hist(df["Value"], bins=20, color='blue', edgecolor='black')
plt.xlabel("Value")
plt.ylabel("Frequency")
plt.title("Histogram of the Data")
plt.show()

# Create a box plot to visualize the summary statistics
plt.boxplot(df["Value"])
plt.ylabel("Value")
plt.title("Box Plot")
plt.show()
```

Mean: 0.011106198013144749
Median: -0.03029346338222203
Standard Deviation: 0.9834124107525911

Histogram of the Data

140

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Histogram of the Data

Frequency

Value

Box Plot

3

2

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