

ITW1

PYTHON ASSIGNMENT 5



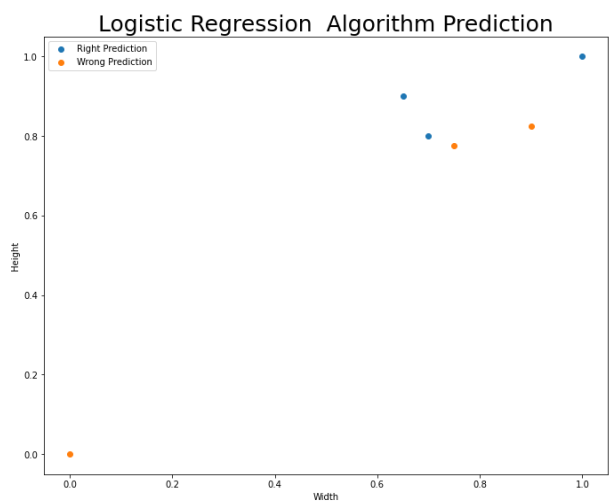
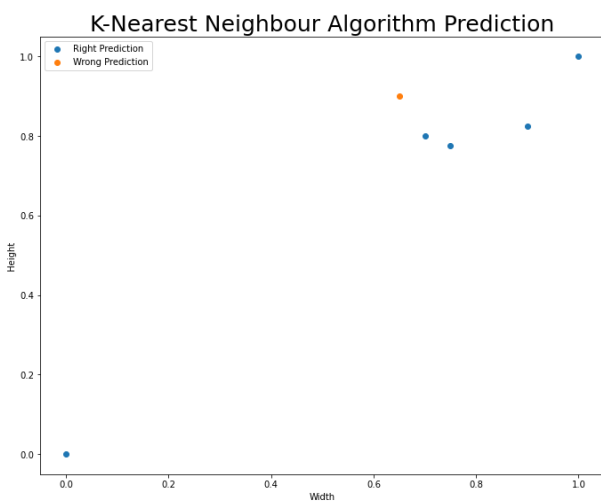
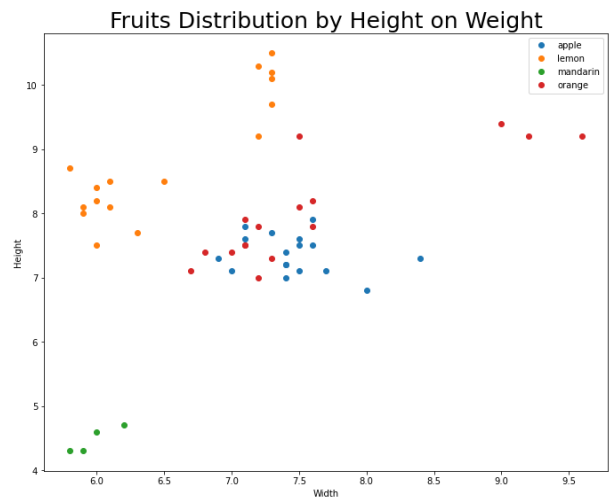
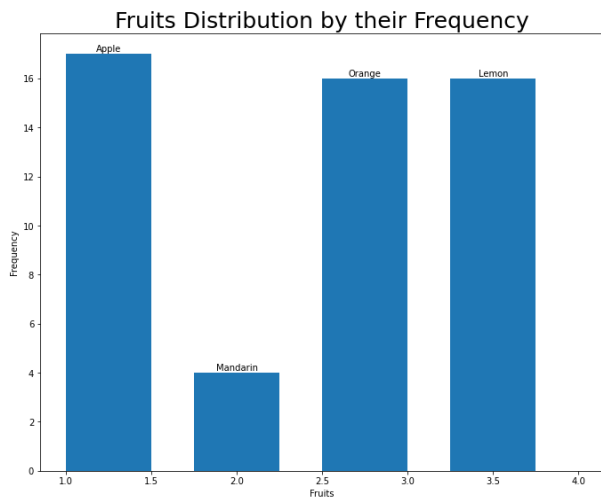
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20075063

4 Year B. Tech

Computer Science and Engg.

PROBLEM 1



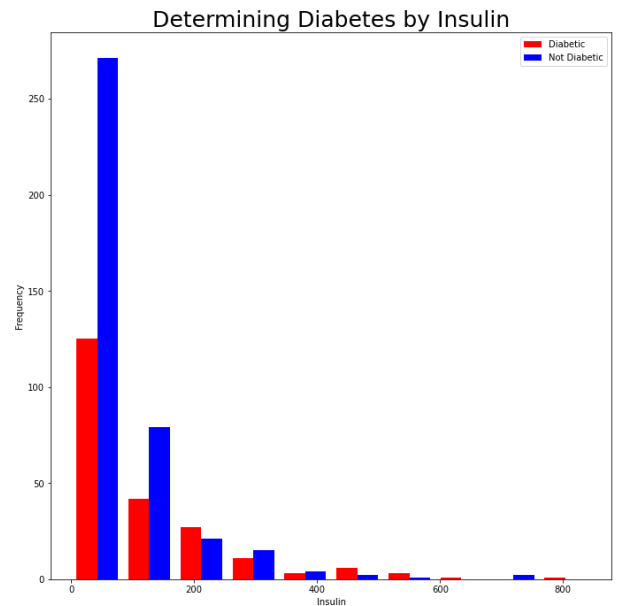
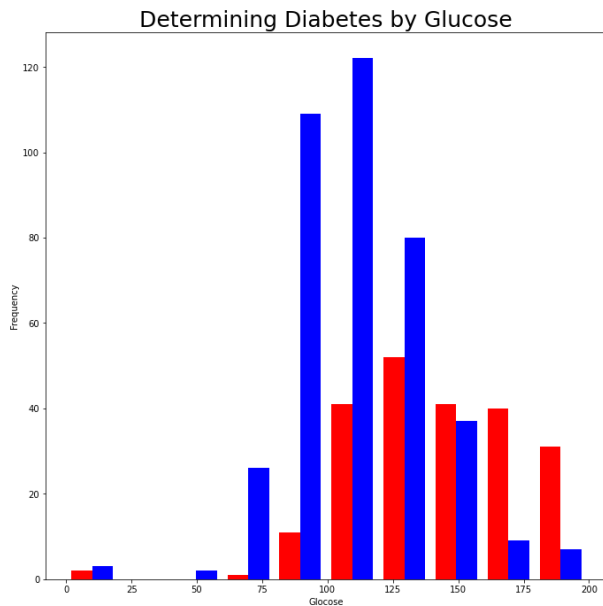
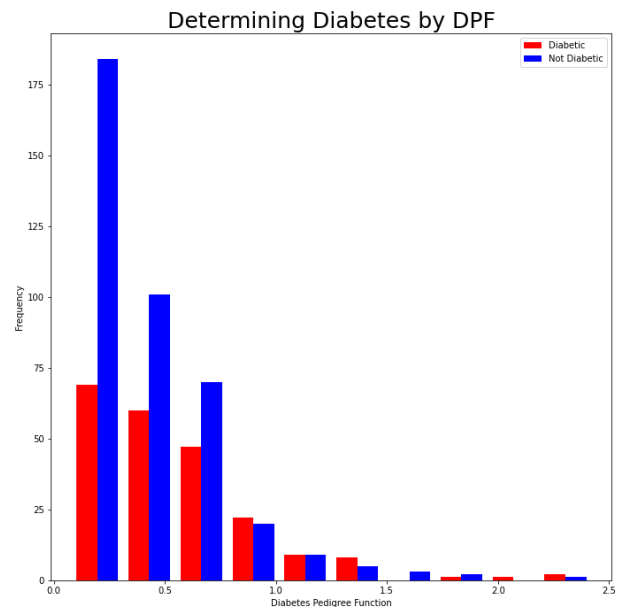
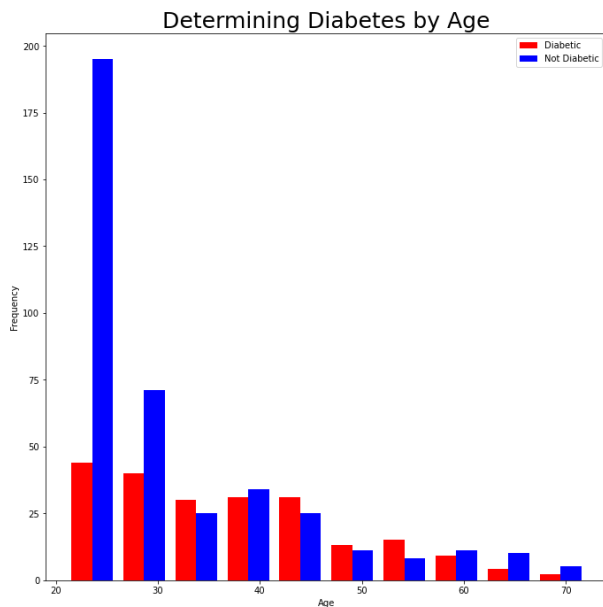
Every Time, its showing that K-Nearest Neighbour Algorithm is better than Logistic Regression Algorithm.

```
In [3]: runfile('/home/home/Documents/problem1.py', wdir='/home/home/Documents')
K-Nearest Neighbour accuracy: 100.0
Logistic Regression accuracy: 50.0
K-Nearest Neighbour is better Logistic Regression.

In [4]: runfile('/home/home/Documents/problem1.py', wdir='/home/home/Documents')
K-Nearest Neighbour accuracy: 83.33333333333334
Logistic Regression accuracy: 50.0
K-Nearest Neighbour is better Logistic Regression.

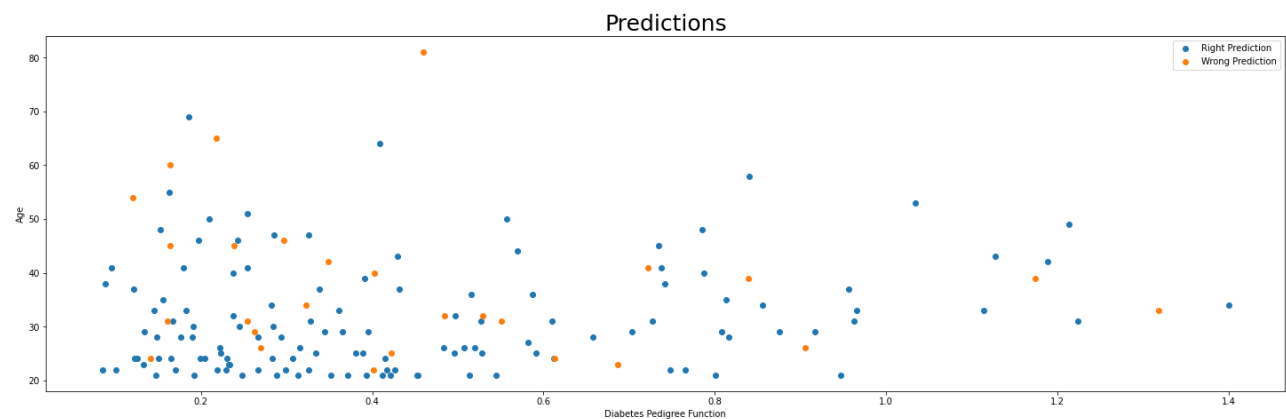
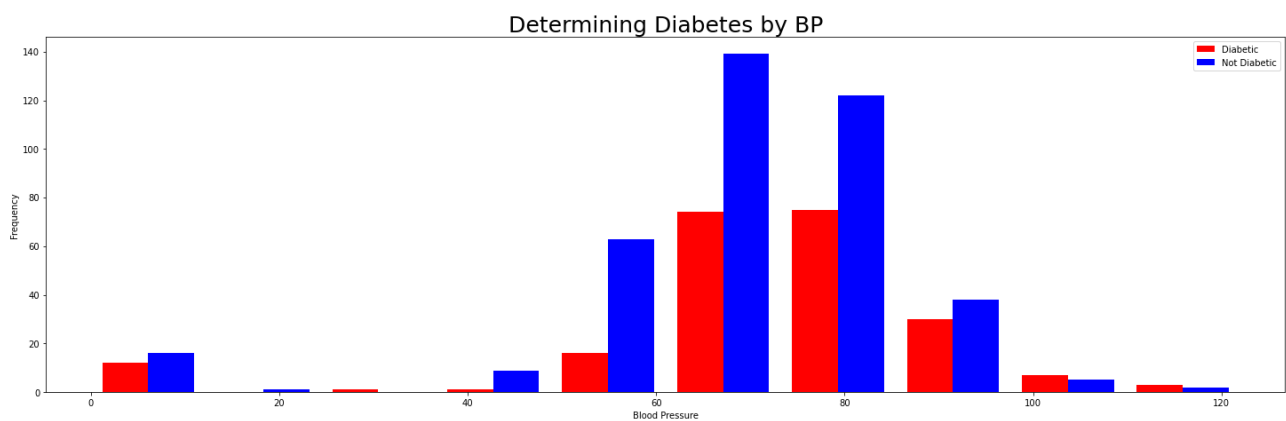
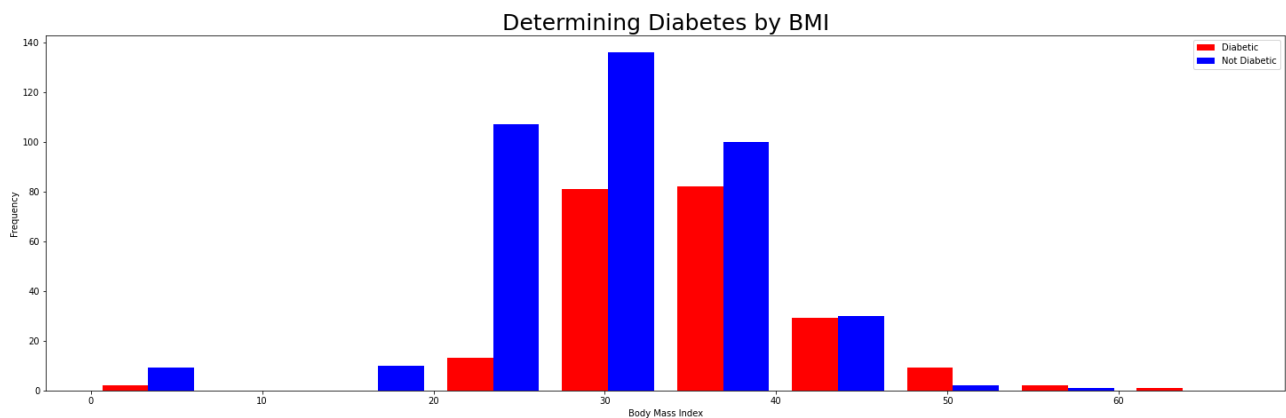
In [5]: runfile('/home/home/Documents/problem1.py', wdir='/home/home/Documents')
K-Nearest Neighbour accuracy: 66.66666666666666
Logistic Regression accuracy: 50.0
K-Nearest Neighbour is better Logistic Regression.
```

PROBLEM 2



Predicting the chance of having diabetes by various features.

Some More Features...



Accuracy:

```
In [13]: runfile('/home/home/Documents/problem2.py', wdir='/home/home/Documents')
Accuracy: 75.97402597402598

In [14]: runfile('/home/home/Documents/problem2.py', wdir='/home/home/Documents')
Accuracy: 71.42857142857143

In [15]: runfile('/home/home/Documents/problem2.py', wdir='/home/home/Documents')
Accuracy: 76.62337662337663
```

PROBLEM 3

MENU

1. Chicken Strips - \$3.50
2. French Fries - \$2.50
3. Hamburger - \$4.00
4. Hotdog - \$3.50
5. Large Drink - \$1.75
6. Medium Drink - \$1.50
7. Milk Shake - \$2.25
8. Salad - \$3.75
9. Small Drink - \$1.25

Your order: 5993348

** It Costs \$19.50 **

** Items: 7 **

Still any to order? [y]es / [n]o : y

MENU

1. Chicken Strips - \$3.50
2. French Fries - \$2.50
3. Hamburger - \$4.00
4. Hotdog - \$3.50
5. Large Drink - \$1.75
6. Medium Drink - \$1.50
7. Milk Shake - \$2.25
8. Salad - \$3.75
9. Small Drink - \$1.25

Your order:

** You haven't ordered anything! **

Still any to order? [y]es / [n]o : n

Thankyou! Visit Again!

PROBLEM 4

1. Adding a contact

ADDRESS BOOK

1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it

Your Choice: 1

Name: Ambulance
Number: 108
Email:

Contact Saved!

1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it

Your Choice: 1

Name: Police
Number: 100
Email: hyd.police@tsgov.in

Contact Saved!

1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it

Your Choice: 1

Name: Fire
Number: 101
Email:

Contact Saved!

1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it

Your Choice: 1

Name: Costumer Care
Number: +91 1400112254
Email:

Contact Saved!

Here 4 contacts have been added.

2. Displaying a Contact

```
1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it
    Your Choice: 2

Your Contacts

Name : Ambulance
Number : 108
Email :

Name : Police
Number : 100
Email : hyd.police@tsgov.in

Name : Fire
Number : 101
Email :

Name : Costumer Care
Number : +91 1400112254
Email :
```

3. Deleting a Contact

```
1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it
    Your Choice: 3
Name to be deleted: Fire
Contact Deleted!

1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it
    Your Choice: 2

Your Contacts

Name : Ambulance
Number : 108
Email :

Name : Police
Number : 100
Email : hyd.police@tsgov.in

Name : Costumer Care
Number : +91 1400112254
Email :
```

4. Modifying a Contact

```
1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it
    Your Choice: 4
Name to be modified: Police
Name: PS
Number:
Email:
    Changes Saved!

1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it
    Your Choice: 2

Your Contacts

Name : Ambulance
Number : 108
Email :

Name : PS
Number : 100
Email : hyd.police@tsgov.in

Name : Costumer Care
Number : +91 1400112254
Email :
```

5. Searching a contact

```
1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it
    Your Choice: 5
Name to be searched: PS
    Name : PS
    Number : 100
    Email : hyd.police@tsgov.in

1. Add Contact
2. Display Contact
3. Delete Contact
4. Modify Contact
5. Search Contact
6. E[x]it
    Your Choice: x
    EXITTED!
```

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