

experiment-no-1-data-acquisition

October 23, 2023

1 Data Acquisition

Data Acquisition = Data Read

```
[1]: #Exp no.:1
```

```
[2]: #Aim: To perform operation on Data Acquisition
```

```
[3]: #Name: Krutika Nemade  
#Roll no.: 55  
#Sec: A  
#Subject: Data Science and Statistics (Lab 1)  
#Date: 25/07/2023
```

```
[4]: #importing the basic library  
import pandas as pd
```

```
[5]: import os
```

```
[6]: os.getcwd()
```

```
[6]: 'C:\\Users\\hp\\Downloads'
```

```
[7]: os.chdir('C:\\Users\\hp\\Desktop')
```

```
[8]: data=pd.read_csv("diabetes.csv")
```

```
[9]: data.head()
```

```
[9]:   Pregnancies  Glucose  BloodPressure  SkinThickness  Insulin   BMI  \  
0             6      148             72             35         0  33.6  
1             1       85             66             29         0  26.6  
2             8      183             64              0         0  23.3  
3             1       89             66             23        94  28.1  
4             0      137             40             35       168  43.1
```

```
   DiabetesPedigreeFunction  Age  Outcome  
0              0.627      50         1
```

1	0.351	31	0
2	0.672	32	1
3	0.167	21	0
4	2.288	33	1

```
[10]: data.tail()
```

```
[10]:      Pregnancies  Glucose  BloodPressure  SkinThickness  Insulin   BMI  \
763           10     101           76           48       180  32.9
764            2     122           70           27         0  36.8
765            5     121           72           23       112  26.2
766            1     126           60           0         0  30.1
767            1      93           70           31         0  30.4

      DiabetesPedigreeFunction  Age  Outcome
763                0.171     63         0
764                0.340     27         0
765                0.245     30         0
766                0.349     47         1
767                0.315     23         0
```

```
[11]: data.head(12)
```

```
[11]:      Pregnancies  Glucose  BloodPressure  SkinThickness  Insulin   BMI  \
0             6     148           72           35         0  33.6
1             1      85           66           29         0  26.6
2             8     183           64           0         0  23.3
3             1      89           66           23        94  28.1
4             0     137           40           35       168  43.1
5             5     116           74           0         0  25.6
6             3      78           50           32        88  31.0
7            10     115           0           0         0  35.3
8             2     197           70           45       543  30.5
9             8     125           96           0         0   0.0
10            4     110           92           0         0  37.6
11           10     168           74           0         0  38.0

      DiabetesPedigreeFunction  Age  Outcome
0                0.627     50         1
1                0.351     31         0
2                0.672     32         1
3                0.167     21         0
4                2.288     33         1
5                0.201     30         0
6                0.248     26         1
7                0.134     29         0
8                0.158     53         1
```

9	0.232	54	1
10	0.191	30	0
11	0.537	34	1