November 1, 2023

1 Data Acquisition

Data Acquisition = Data Read

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

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

```
[3]: #Name: Vedant Wankhade
     #Roll no.: 74
     #Sec: B
     #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

```
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