jg6vgqkjy

December 13, 2024

1 Perform the operation of Data Acquisition

```
[2]: #Exp no. : 2
```

```
[4]: #Aim : To perform operation of Data Acquisition
```

```
[6]: #Name : Devesh J Arbat
     #Roll no. : 06
     #Section : A
```

```
[8]: import pandas as pd
```

```
[10]: import os
```

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

```
[12]: 'C:\\Users\\salik\\DSS Practical'
```

```
[14]: os.chdir('C:\\Users\\salik\\DSS Practical')
```

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

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

```
[20]:    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
```

```
[22]: data.head(10)
```

```
[22]:    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

         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
```

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

```
[24]:      Pregnancies  Glucose  BloodPressure  SkinThickness  Insulin   BMI  \
      758            1      106             76              0        0  37.5
      759            6      190             92              0        0  35.5
      760            2       88             58             26       16  28.4
      761            9      170             74             31        0  44.0
      762            9       89             62              0        0  22.5
      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
      758                     0.197   26        0
      759                     0.278   66        1
      760                     0.766   22        0
      761                     0.403   43        1
      762                     0.142   33        0
      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
```

[ ]: