Name: Sargundeep Sachdeo

Batch: 2

Roll no: 16010420061

ML_INLAB_1

[4] import pandas as pd import numpy as np from scipy import stats

[2] df=pd.read_csv('diabetes.csv')

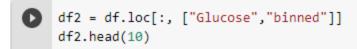
df

•	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age	Outcome
0	6	148	72	35	0	33.6	0.627	50	1
1	1	85	66	29	0	26.6	0.351	31	0
2	8	183	64	0	0	23.3	0.672	32	1
3	1	89	66	23	94	28.1	0.167	21	0
4	0	137	40	35	168	43.1	2.288	33	1
763	10	101	76	48	180	32.9	Act N17 te	√ 63 ∩	dows 0
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```
col1=df['Glucose']
print ("\nZ-score for arr1 : \n", stats.zscore(col1))
```

```
Z-score for arr1:
    0    0.848324
    1    -1.123396
    2    1.943724
    3    -0.998208
    4    0.504055
    ...
    763    -0.622642
    764    0.034598
    765    0.003301
    766    0.159787
    767    -0.873019
    Name: Glucose, Length: 768, dtype: float64
```

[14] df['binned']=pd.cut(x=df['Glucose'], bins=[0,80,100,126,199], label



₽		Glucose	binned		
	0	148	high		
	1	85	normal		
	2	183	high		
	3	89	normal		
	4	137	high		
	5	116	impared glucose		
	6	78	very low		
	7	115	impared glucose		