

Ionosphere

```
In [1]: import pandas as pd
import numpy as np
from sklearn.linear_model import LogisticRegression
from sklearn.preprocessing import StandardScaler
```

```
In [2]: df=pd.read_csv(r"C:\Users\rubin\Downloads\ionosphere_data.CSV")
df
```

```
Out[2]:
```

	column_a	column_b	column_c	column_d	column_e	column_f	column_g	column_h	col
0	True	False	0.99539	-0.05889	0.85243	0.02306	0.83398	-0.37708	1
1	True	False	1.00000	-0.18829	0.93035	-0.36156	-0.10868	-0.93597	1
2	True	False	1.00000	-0.03365	1.00000	0.00485	1.00000	-0.12062	0
3	True	False	1.00000	-0.45161	1.00000	1.00000	0.71216	-1.00000	0
4	True	False	1.00000	-0.02401	0.94140	0.06531	0.92106	-0.23255	0
...
346	True	False	0.83508	0.08298	0.73739	-0.14706	0.84349	-0.05567	0
347	True	False	0.95113	0.00419	0.95183	-0.02723	0.93438	-0.01920	0
348	True	False	0.94701	-0.00034	0.93207	-0.03227	0.95177	-0.03431	0
349	True	False	0.90608	-0.01657	0.98122	-0.01989	0.95691	-0.03646	0
350	True	False	0.84710	0.13533	0.73638	-0.06151	0.87873	0.08260	0

351 rows × 35 columns



```
In [3]: pd.set_option('display.max_rows',1000000000)
pd.set_option('display.max_columns',1000000000)
pd.set_option('display.width',95)
```

```
In [4]: print('This DataFrame has %d Rows and %d columns'%(df.shape))
```

This DataFrame has 351 Rows and 35 columns

In [26]: `print()`

In [27]: `print("""The Model Says The Probabaility Of The Observation We Passed Belongin`

◀  ▶

The Model Says The Probabaility Of The Observation We Passed Belonging To Class['g'] Is 0.9922404543093853

In []: