Logistic Regression

Importing the relevant libraries

[22]:
```
import numpy as np
import pandas as pd
import statsmodels.api as sm
import matplotlib.pyplot as plt
import seaborn as sns
sns.set()

from scipy import stats
stats.chisqprob = lambda chisq, df: stats.chi2.sf(chisq, df)
```

Load the data

Load the 'Bank_data.csv' dataset.

[37]:
```
raw_data = pd.read_csv('Bank_data.csv')
raw_data
```

2	2	4.858	0.0	1.0	0.0	0.0	167.0	no
3	3	4.120	0.0	0.0	0.0	0.0	686.0	yes
4	4	4.856	0.0	1.0	0.0	0.0	157.0	no
...	...	...	...	...	...	...	...	...
513	513	1.334	0.0	1.0	0.0	0.0	204.0	no
514	514	0.861	0.0	0.0	2.0	1.0	806.0	yes
515	515	0.879	0.0	0.0	0.0	0.0	290.0	no
516	516	0.877	0.0	0.0	5.0	1.0	473.0	yes
517	517	4.965	0.0	0.0	0.0	0.0	142.0	no