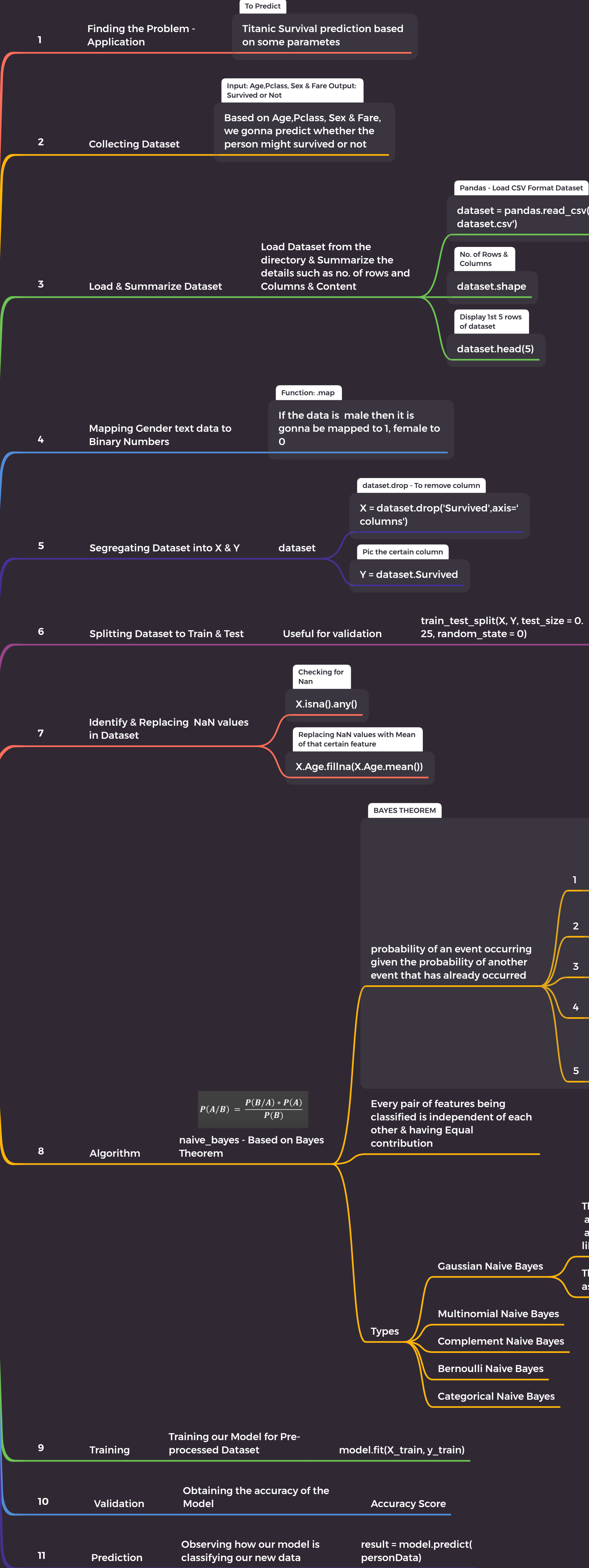


Titanic Survival Prediction using NAIVE BAYES



To Find

1

I pick Diamond Card, Need to Find probability of that card is Queen

2

Probability of finding Queen in total cards

P(Queen)=4/52=1/13

3

Probability of finding Diamonds from Total cards

P(Diamonds)=13/52=1/4

4

Probability of finding Diamond in the Queen

P(Diamond/Queen) = 1/4

5

$$P(Queen/Diamond) = \frac{P(Diamond / Queen)*P(queen)}{P(Diamond)}$$

Solution

(1/4\*1/13)/(1/4)

1/13