

Conditional Independence

The following supervised sample (2 "independent" attributes and one "dependent" class variable) is given:

Attribute A	Attribute B	class
1200	weiß	groß
1300	schwarz	groß
1200	schwarz	klein
1500	rot	klein
900	weiß	mittel
1200	schwarz	mittel
1300	schwarz	mittel

Evaluate if Attribute A and B are conditionally independent to each other.

Naive Bayes Prediction

Use the same supervised sample from above and use naive bayes to predict the class of the following unseen samples

Sample	Attribute A	Attribute B
1	1200	weiß
2	1300	weiß
3	1000	weiß