

## Question Naive Bayes:

Can you give an example for what the algorithm naive Bayes is used?  
Further can you explain what it does and why it is called Naive?!

- Naive Bayesian is a classification task and a supervised learner.
- Naive Bayes is naive because his independence assumption assess that all feature have no correlation to each other.
- The goal of Naive Bayesian is to classify the probability of something.
- Naive Bayes is a non linear model. You will see that clearly in Python or R when plotting the prediction boundary which will be a very nice curve well separating the non linearly distributed observations.
- The algorithm works on problems where the inputs are independent from each other.