

# **Bayes Rule and Bayesian Learning**

Data Mining & Machine Learning  
(F20DL/F21DL)

# Overview

- Probabilities, Bayes rules and Bayes nets
- Bayesian Probabilities
- Applying Bayesian Learning in Data Mining
- Summary/Discussion

# Review (Remember?)

- Basic statistics
  - Mean, standard deviation ...
- Comparing samples to populations
  - Estimating the population mean from a sample mean
- Predicting the value of one attribute from another (or several others)
  - Correlation and regression



