

# Project I of Machine Learning

- Download two or more datasets from the following link:

[UC Irvine Machine Learning Repository](#)

- Try at least two of the following methods learned so far
  - Nearest neighbor classifier: Prototype set = Training set
  - Learning vector quantization:  $K$  prototypes are found based on the training set ( $K$  is much smaller than the number of training data)
  - Maximum likelihood + Gaussian distribution: Find  $G_i(x|C_i)$
  - Maximum posterior probability + Gaussian Kernel-based probability density function estimation