**Machine Learning 02December 2019**

Unsupervised learning :

* Clustering f:Rn -> {1..k}

K- Means EM (Mixture model)

Supervised learning:

* Classification

F: Rn -> { } set of real number

* + Perceptron
  + Logistic
  + Naïve Bayes
* Regression = F : Rn -> Rm
  + Linear Regression
  + Ridge Regression
  + SVM
* Structured Prediction
  + HMM, CRF , Structured Perceptron
  + Structured svm
* Reinforced learning
  + F = S->A

State to action at a particular action.

V\*(S) =