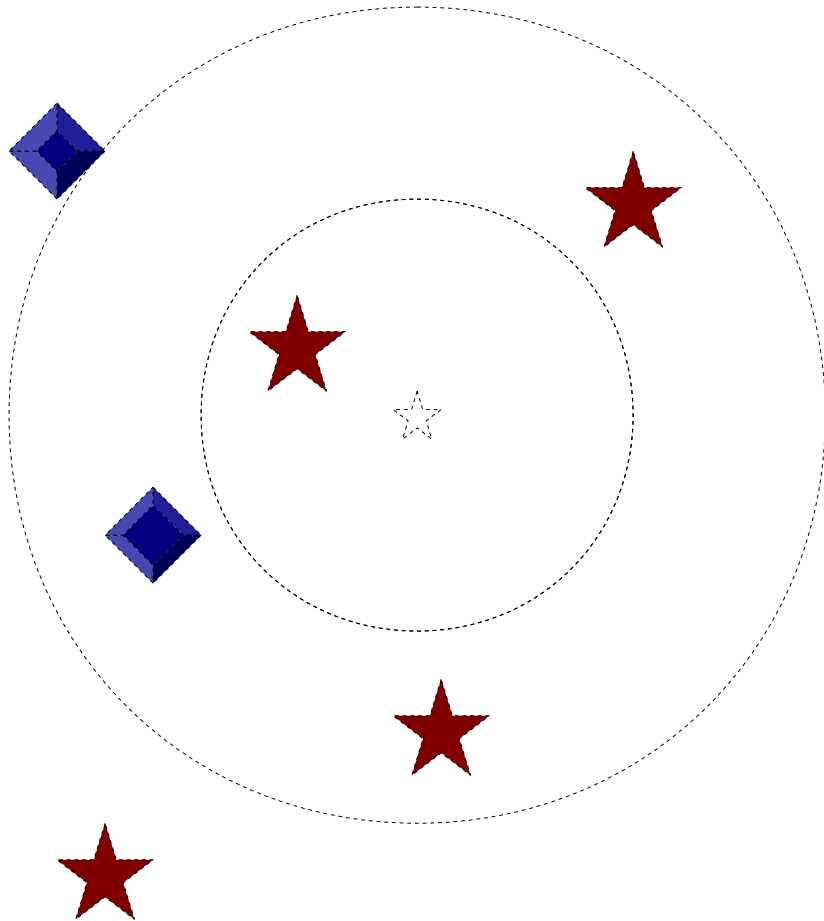


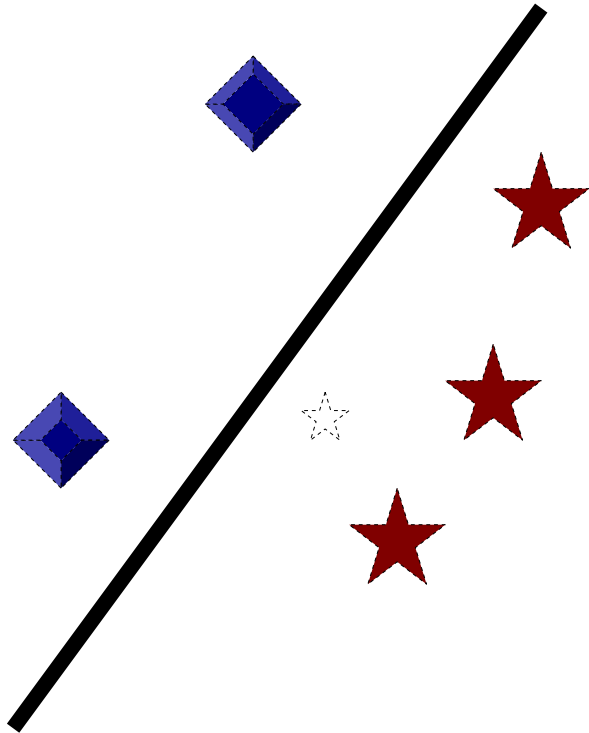
Virtual Observations 2012

Introduction to classification methods

- Cluster analysis
 - Nearest neighbor
 - Linear discriminant
- Neural Networks
- Hierarchical trees etc.

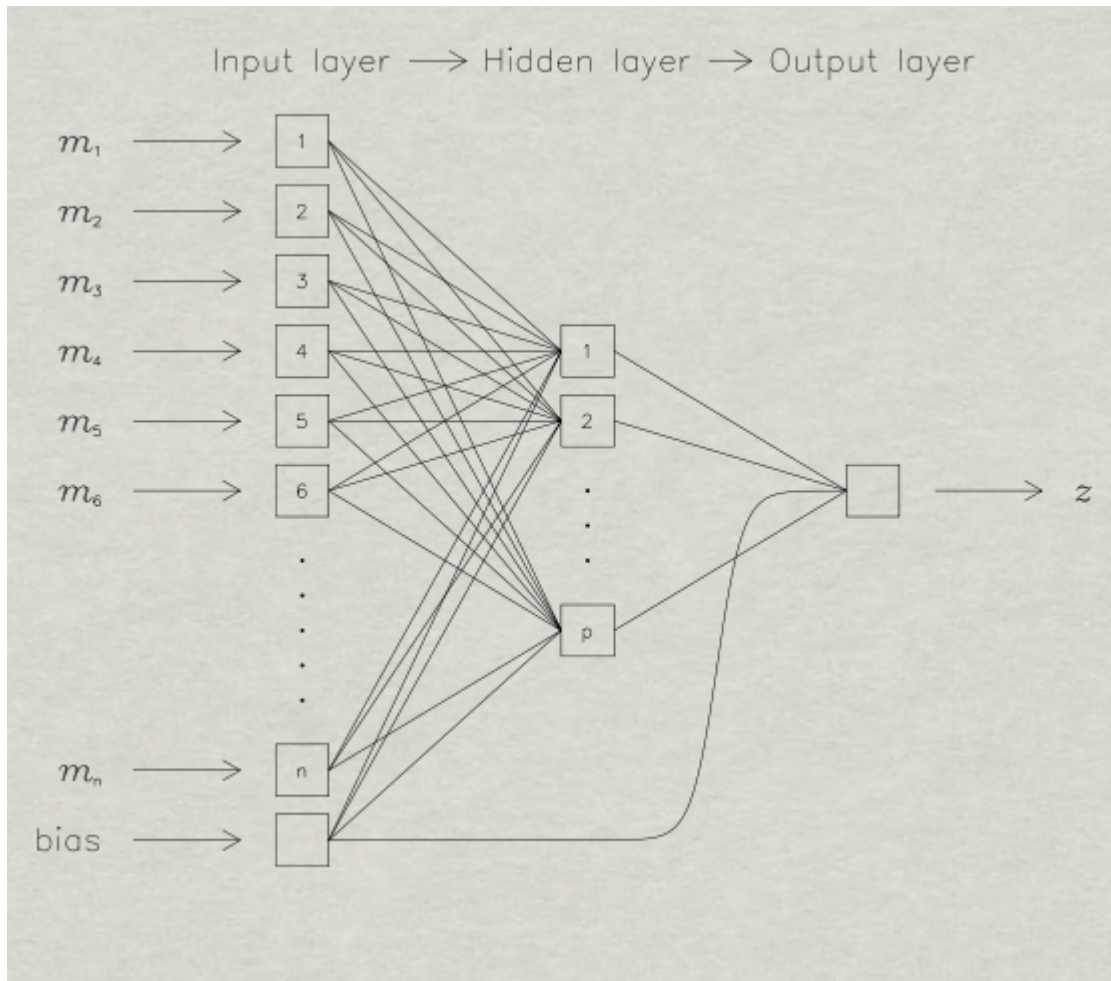


- K-nearest objects
- Probability for each group
- Estimation for the tested object



- $f(x)=ax+b$
- Intersecting classes
- Non-trivial cases

- PCA!



- Perceptron
- Training set
- Multiple linear discrimination with coordinate transformation

Self-organizing map

