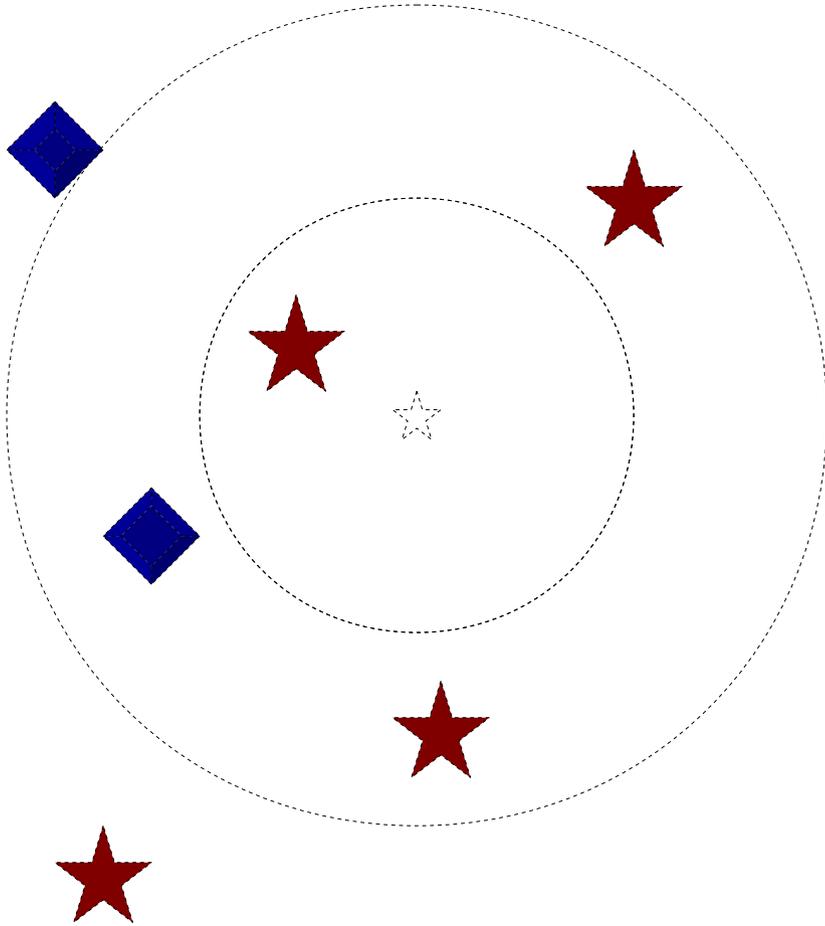


Classification

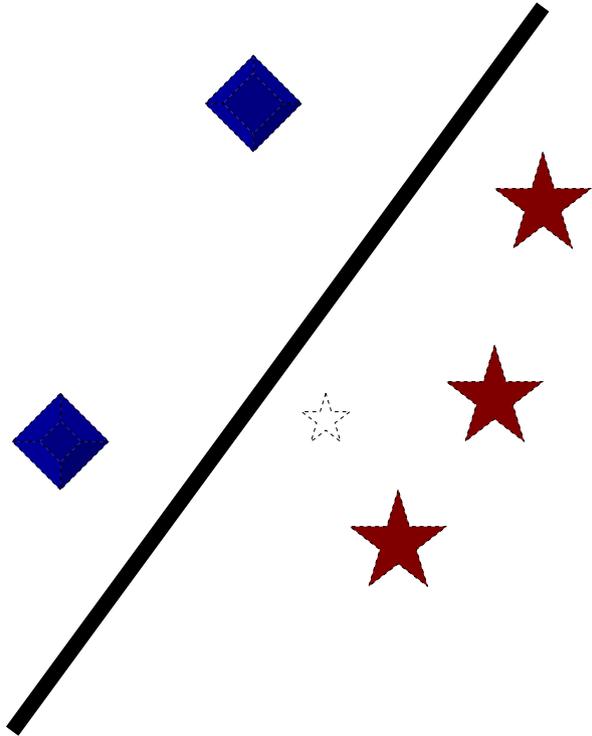
- Cluster analysis
 - Nearest neighbour
 - Linear discriminants
- Neural Networks
- Hierarchical trees etc.

Nearest Neighbour



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

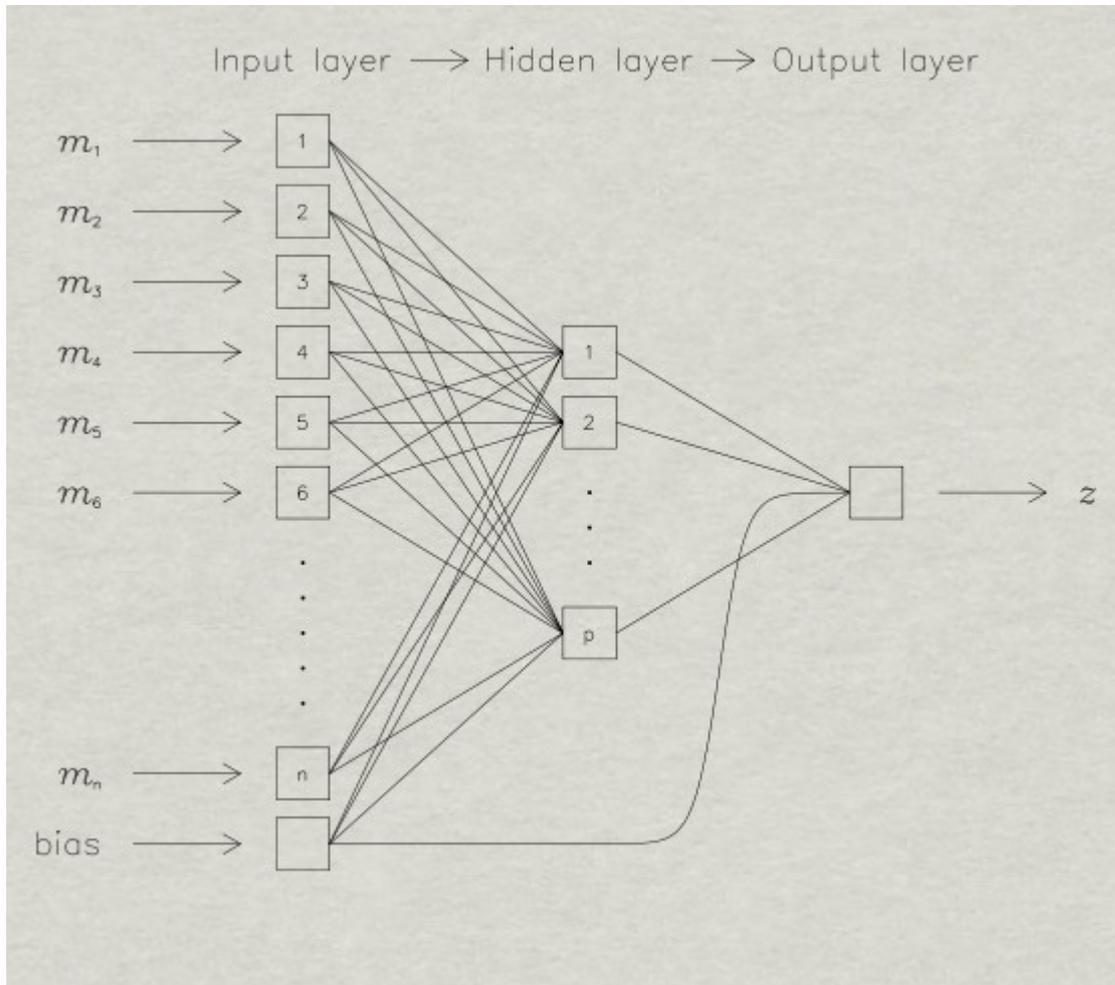
Linear discrimination



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

- PCA!

Neural Network



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

Self-organizing map

