

Case - I

Case - II



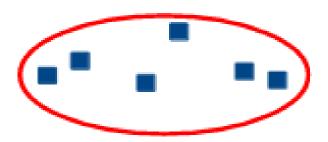
- Income
- Occupation
- Gender
- Debt

- Age
- Credit Score
- City of
 - residence
- Marital Status

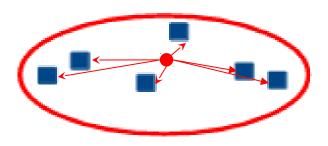


1. Inertia









Intra cluster distance



Lesser inertia





1. Inertia

Inertia =
$$\sum_{i=1}^{m} \sum_{k=1}^{K} w_{ik} (||x_i - \mu_k||)^2$$

 \bigcirc w_{ik} = 1, if x_i belongs to cluster k

 \bigcirc $w_{ik} = 0$, if x_i does not belong to

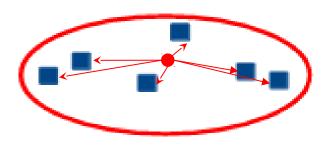
cluster k



1. Inertia

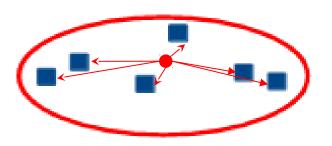
2. Dunn Index

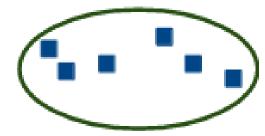




Intra cluster distance



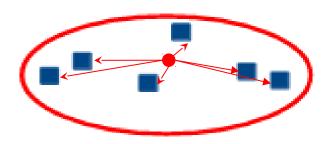


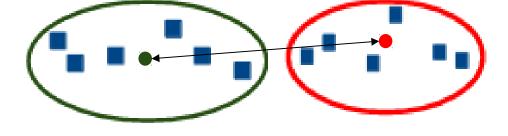




Intra cluster distance







Intra cluster distance

Inter cluster distance

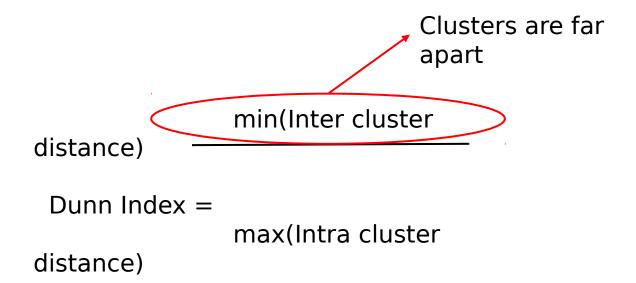




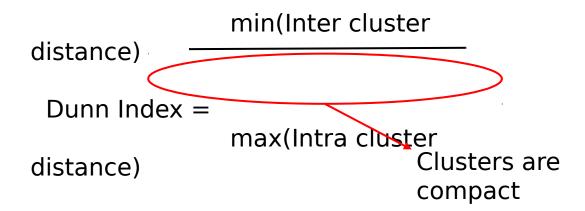
More Dunn index













Thank You!

