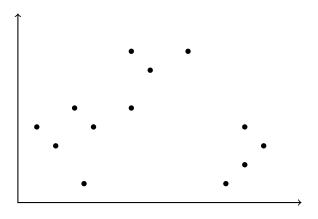
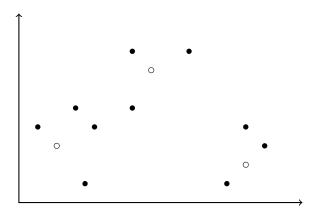
k-Center Facility Location Deterministic Approach

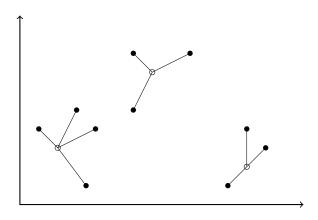
João Valença

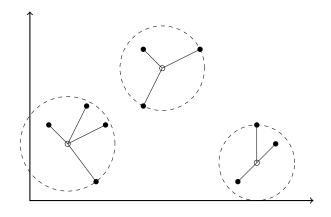
Departmento de Engenharia Informática Universidade de Coimbra

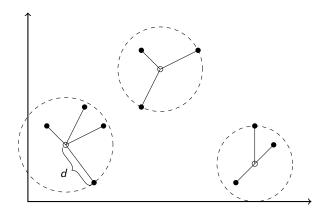
October 23, 2014











$$\min_{\substack{C \subseteq P \\ |C| = k}} \max_{p \in P} \min_{c \in C} \|c - p\|$$

▶ For each point decide if it is a Centroid or not

- ▶ For each point decide if it is a Centroid or not
- Centroids can only generate a better solution

- ► For each point decide if it is a Centroid or not
- ► Centroids can only generate a better solution
- ▶ Non-centroids can only generate a worse solution



