

# Unsupervised

- Slides:
  - Generalities - annotated
  - Hierarchical models - annotated
  - $k$ -means - annotated
  - Gaussian mixtures - annotated
- TD: [link](#)
- TP: [link](#)

## Outline

1. [Hierarchical models](#)
2. [k-means](#)
3. [Gaussian mixtures](#)



Figure 1:  $k$ -means ([xkcd:2731](#)).