

Unsupervised

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

Outline

1. Hierarchical models
2. *k*-means
3. Gaussian mixtures

OUR ANALYSIS SHOWS THAT THERE ARE
THREE KINDS OF PEOPLE IN THE WORLD:
THOSE WHO USE K-MEANS CLUSTERING
WITH K=3, AND TWO OTHER TYPES WHOSE
QUALITATIVE INTERPRETATION IS UNCLEAR.



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