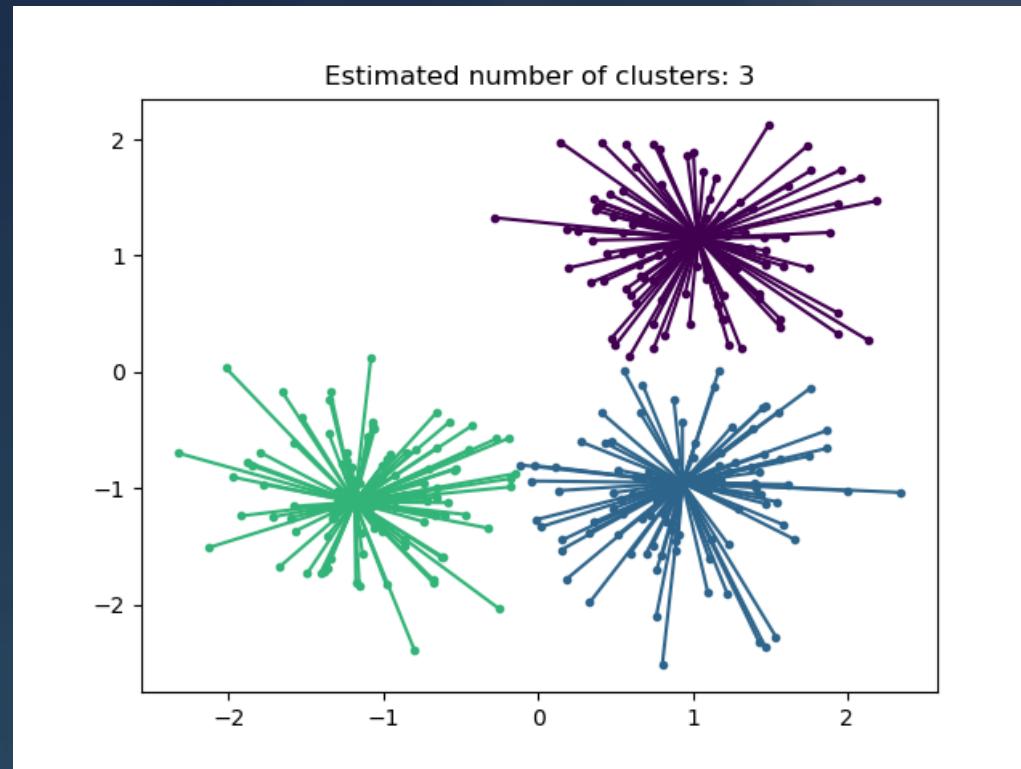


Affinity Propagation

PAGE 01



- Every points consider every other point as a possible cluster.
- It works by passing messages to every points to consider as exemplar.
- Iteration follows and cluster forms.

Advantages

- No need to choose K
- Finds natural cluster centers
- Works well when clusters have different sizes

Disadvantages

- High memory usage ($O(N^2)$)
- Slow for large datasets
- Sensitive to preference value