## 9- clustering

```
unsupervised segmentation = grouping based, clustering

semantic segmentation = supervised, category-level

gestalt theory

Is whole is greater than sum of its ports

relationships among parts can yield new features

L-means = converges to local minimum -> sensetive to outliers

Is better for spherical data

Is need to pick number of clusters (k)

Is can group pixels based on intensity, color, or texture.

Germinarity)

for smooth clusters = group based on both intensity and position
```