K - Means . clustering ←

— technique / algorithm / methodology

C1

C2

C2 $\ast$ C2

Clustering techniques.

→ WCSS
→ Dunn Index
→ Silhoufte Score

K — Hyperparam.

K = 2 → what we need to specify in order to create the model.
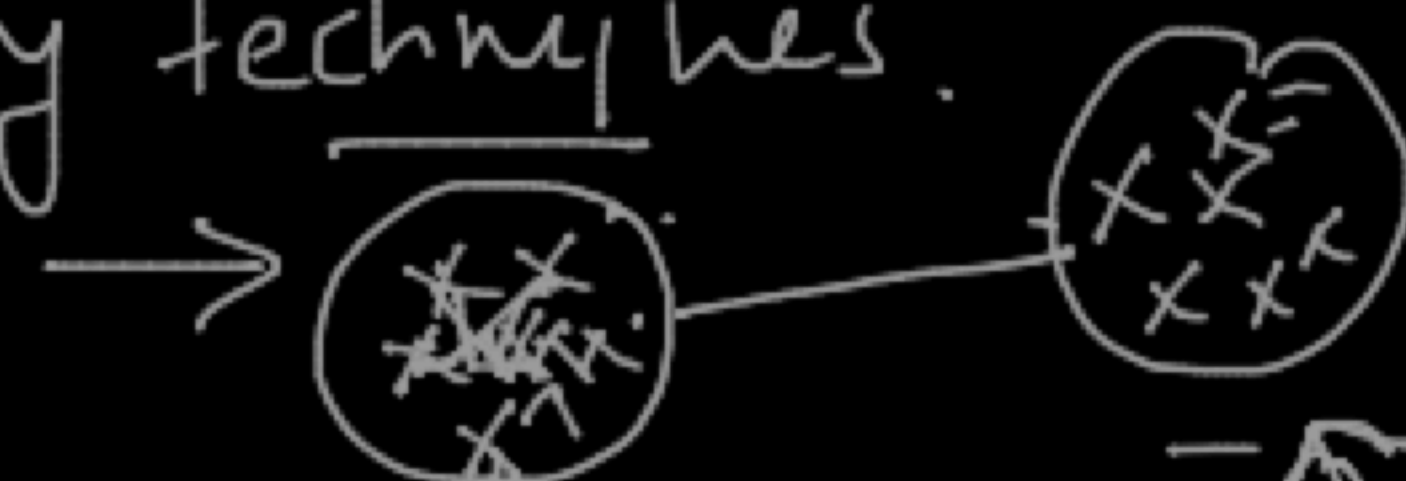
Metrics → How good is the model we have created.

WCSS ⇒ . WC1

Hyperparameter tuning.

k = 3 .

WCSS = WC2

⤷.

k .

2   ③
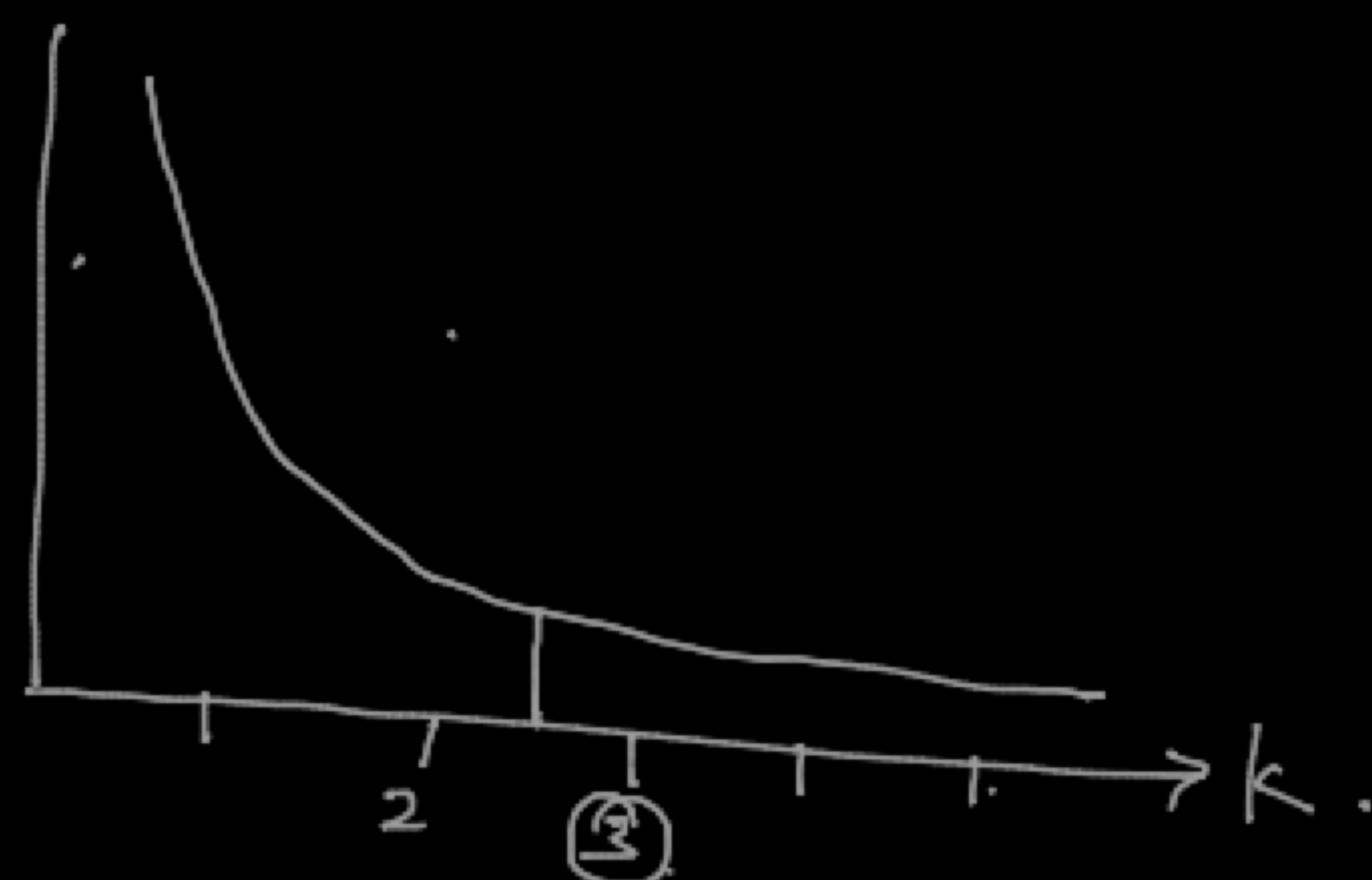
⤷. Tuned . the hyper param
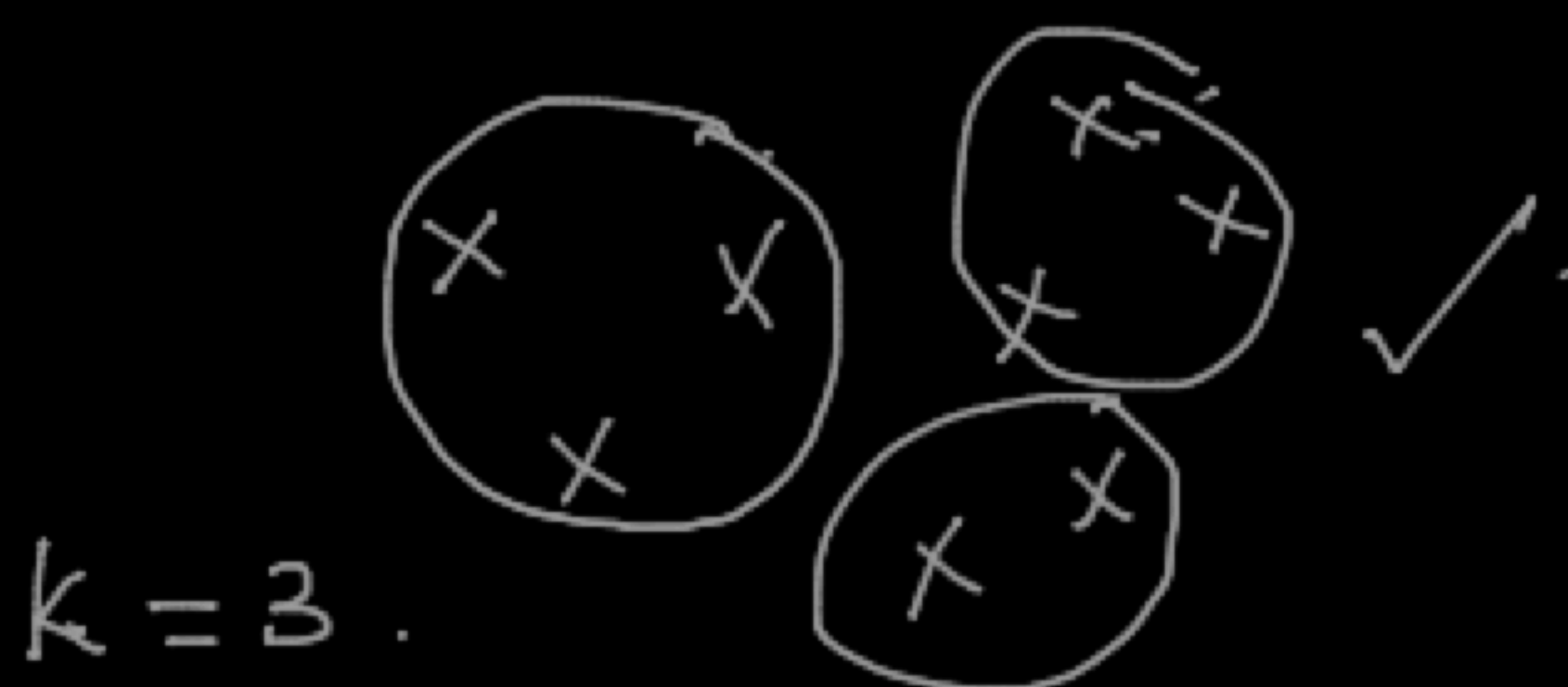
Page 1 of 2
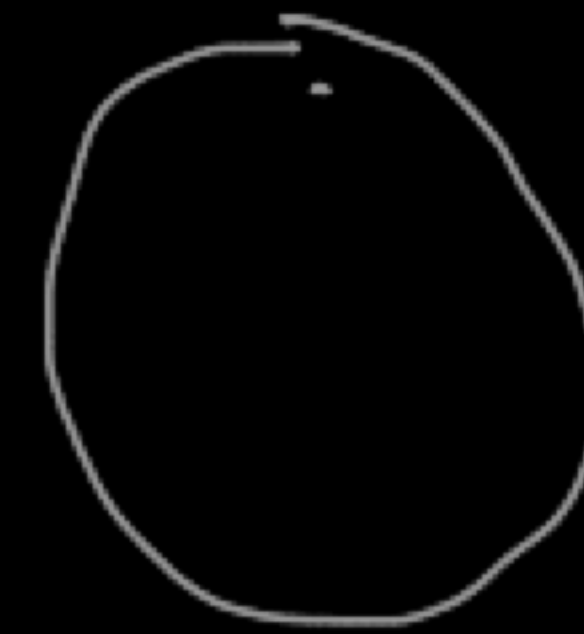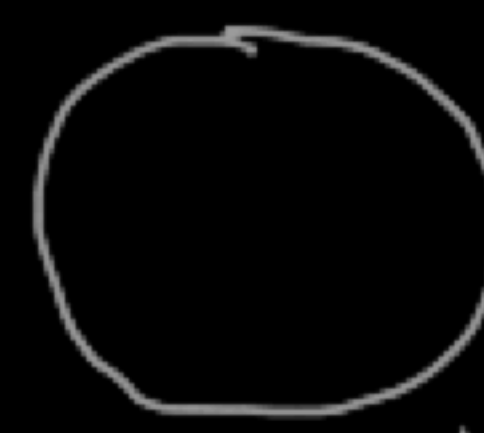
Hierarchical Clustering. ✓

→ algorithm (HAC).
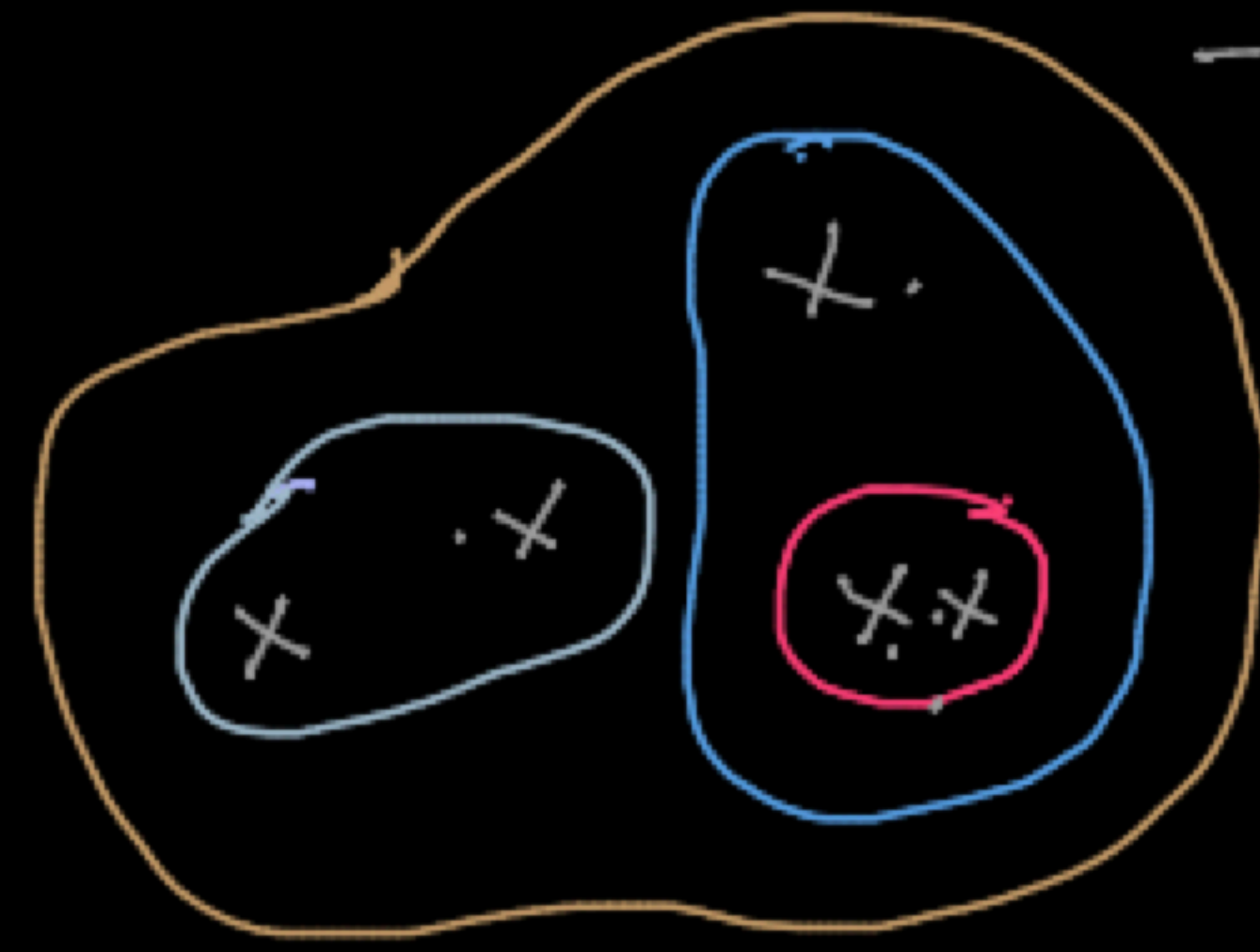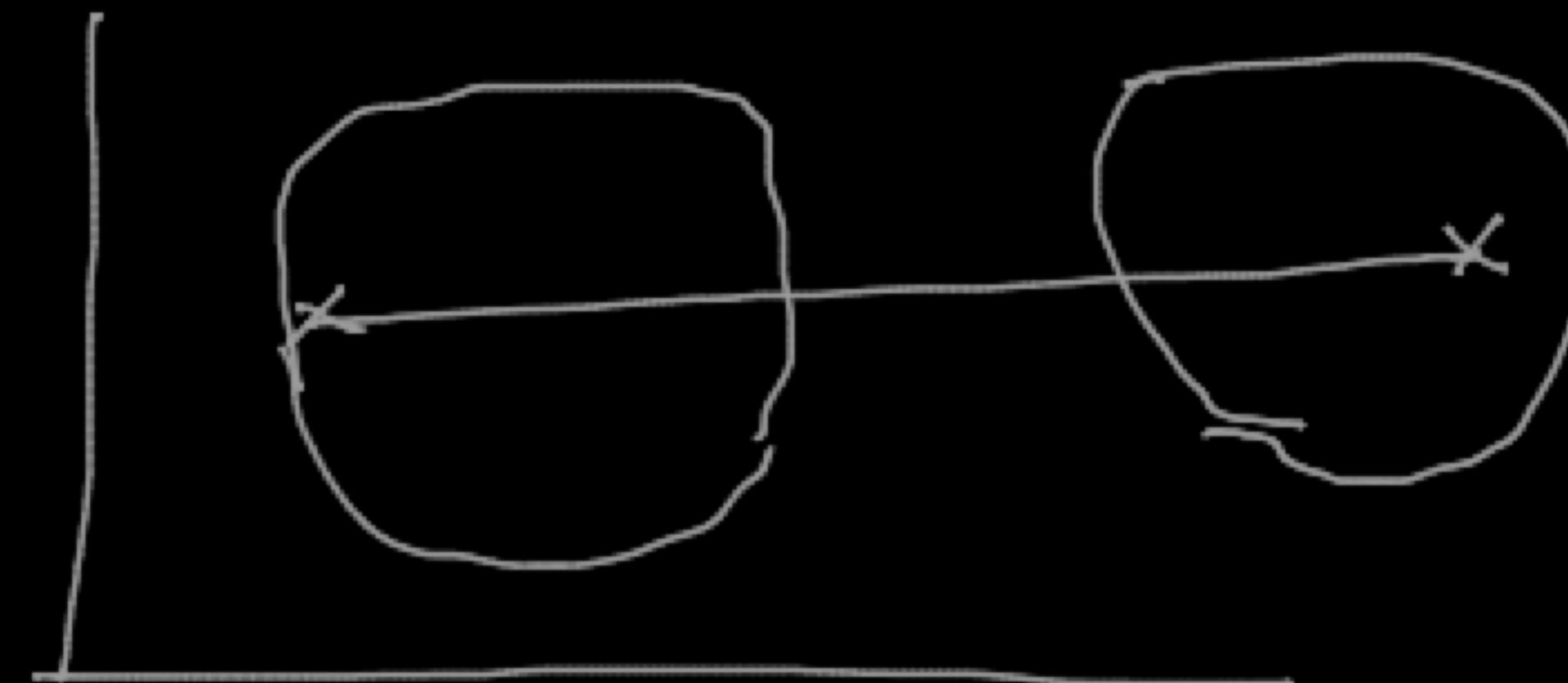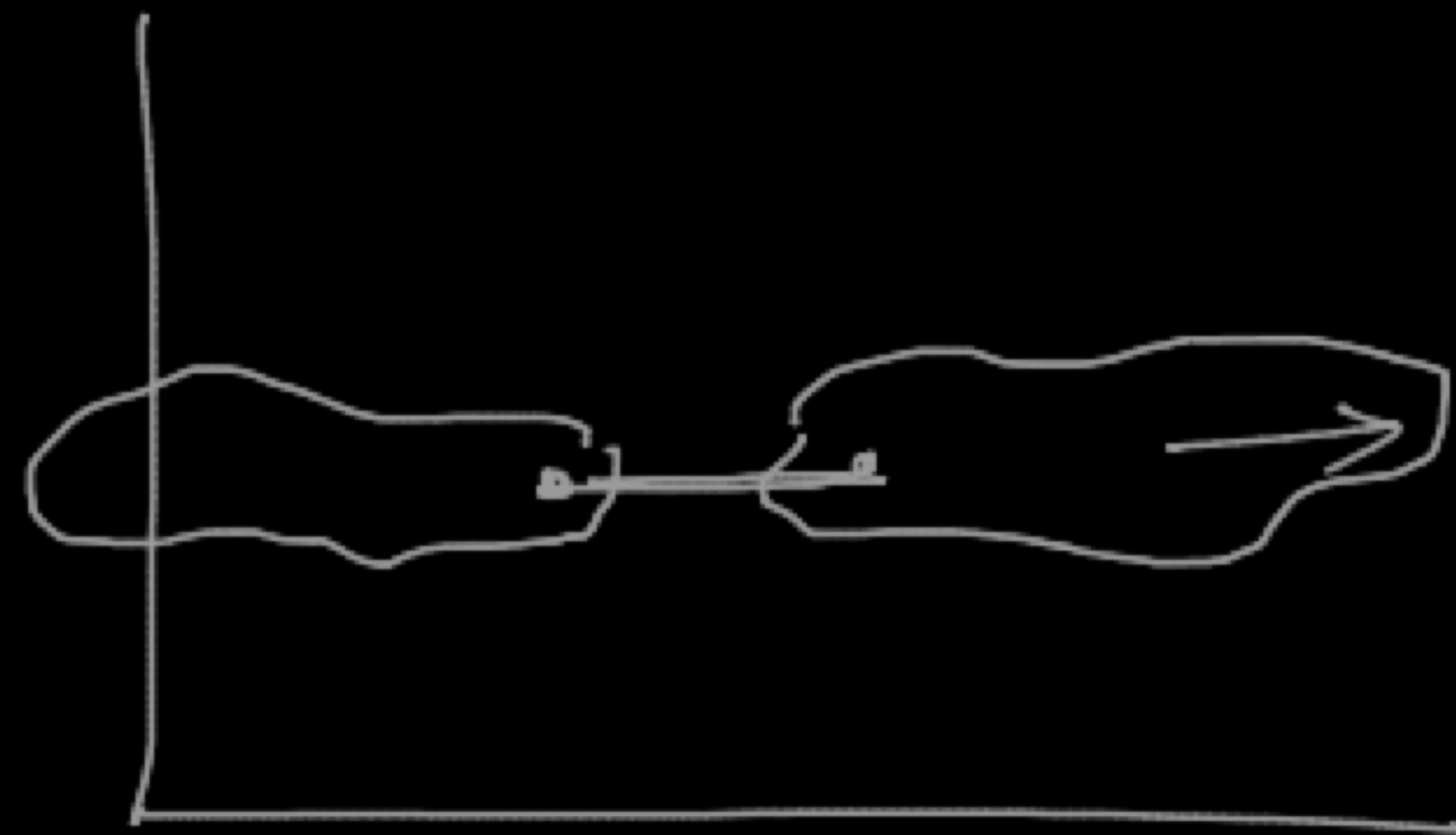
Ward →.

Weight.

Height

SKlearn. Clusters.

✓ — K-Mean. wcss.
✓ — HAC
✓ — DBSCAN.

model. inertia _.

Linkage → Methods
of measure the
distance between
Clusters.

Regression

- R^2.
- MSE, RMSE.

Classification

= Accuracy / F1-score.
- Precision / Recall.
- AUC - Roc

Clustering.

- WCSS.
- Dunn Index.
- Silhoulte Score.

- Customer Symentation
- Scan reports. ← Benign
                 Malign.
- Reviews.   ↳ .

+ve -ve Neutral.