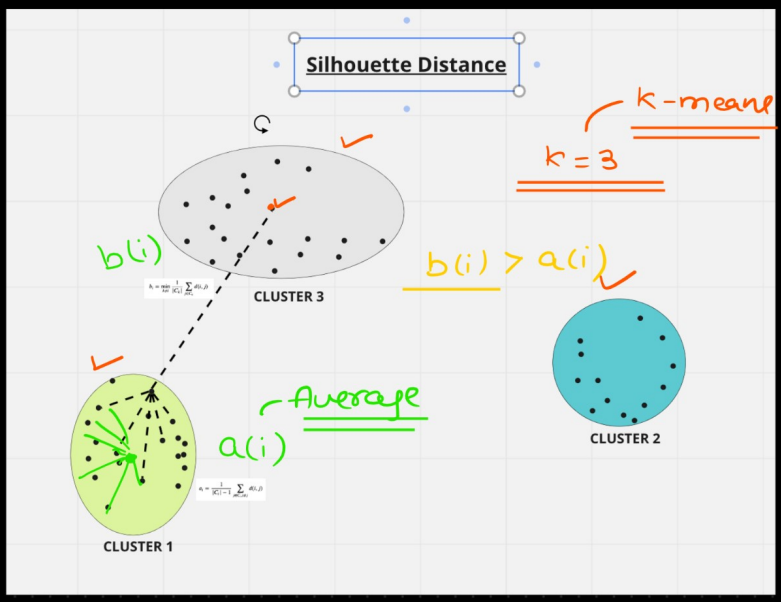
Silhouette Score



outside the cluster

$$\text{Score} = \frac{b(i) - a(i)}{\max\{a(i), b(i)\}}$$

(inside cluster)

-1 to +1

$b(i) = a(i)$

↳ Score = 0

$a(i)$ & $b(i)$

(x_1, y_1) P_1 ——— P_2 (x_2, y_2)

$$\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

Euclidean formula