Vektör Benzerlikleri

- d1: ["a", "b", "a", "b", "a", "a", "b"] -> a:4, b:3
- d2: ["b", "b", "a", "a", "b", "b", "b"] -> a:2, b:5

- d_i : Dokümanlar
- Hangi dokümanlar daha benzer?

Euclidean Distance (Öklit Uzaklığı)

Euclidean Distance

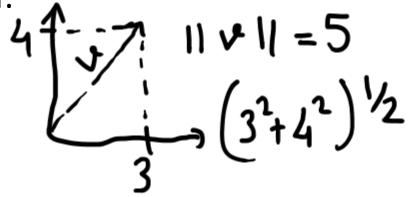
V;
$$i = j$$
 hangi voltor
 $j = j$ velt $i = j$ inci bile peni
 $j = j \in \{1,2\}$
 $j \in \{1,2,3\}$

Benzerlik

• d1 -> a:4, b:3; d2 -> a:2, b:5; d3 -> a:8, b:6 $||d_1-d_2||_2 = (4-2)^2 + (3-5)^2|^{1/2} = 8^{1/2}$ $||d_1-d_3||_2 = [(4-8)^2+(3-6)^2]^{1/2}=25^{1/2}$ // d2-d3 112=[(2-8)2+(5-6)]1/2 d,-d, 81

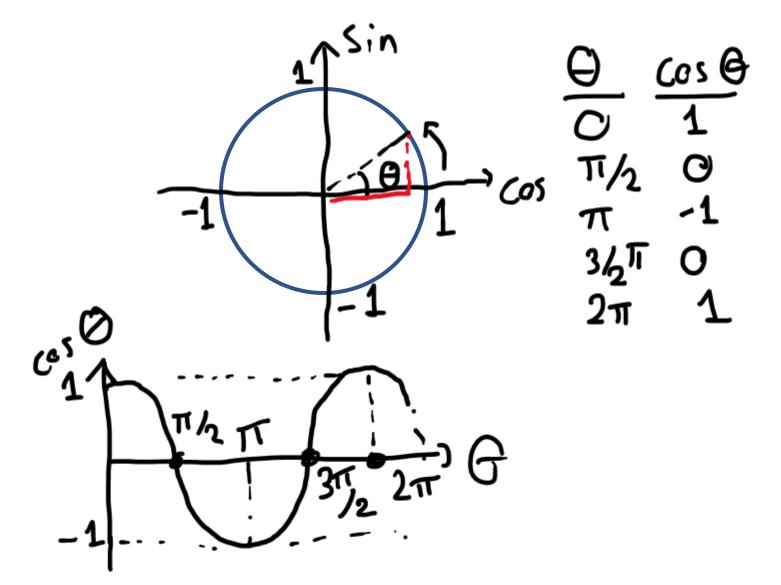
Çözüm 1: Normalizasyon

• Vektörlerin boyunu 1'e indirmek.



Normalize etme işlemi:

$$\frac{1}{4} \int_{5}^{4} |\hat{V}| = 1$$



$$\frac{\partial = \pi/2}{\cos \theta = 0}$$

$$\frac{\partial = \pi}{\cos \theta = 1}$$

$$\frac{\partial = \pi}{\cos \theta = -1}$$

$$\frac{\partial = \pi}{\cos \theta = -1}$$

