Vergleichen?

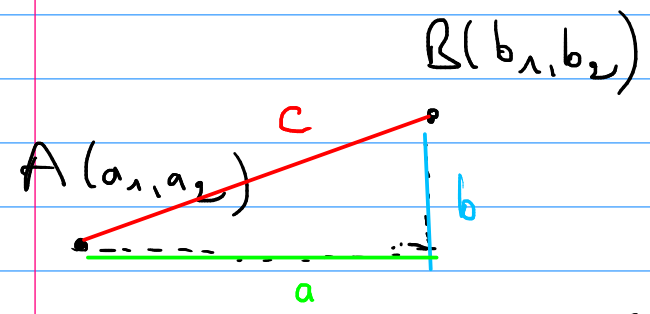
→ Darstellung?

Distanz (maß)

B

A

euklidische Distanz



$$\sqrt{(b_1 - a_1)^2 + (b_2 - a_2)^2}$$

$$a^2 + b^2 = c^2$$

$$\Rightarrow c = \sqrt{a^2 + b^2}$$

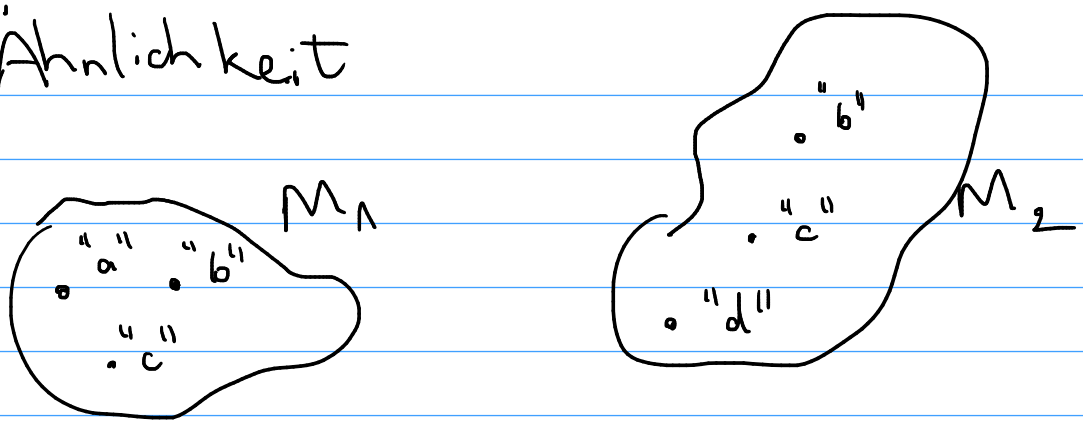
Ähnlichkeits(maß)

- HUND
  | x | |
  HAND
  dist (HUND, HAND) = 1
  ↳ Hamming - Distanz

- ORT
  ↷
  ROT
  ↷↷
  TOR
  dist (ORT, ROT) = 1
  dist (ORT, TOR) = 2
  ↳ Jaro - Distanz

- PFERD
  ↕ | ↓
  PFADE
  dist (PFERD, PFADE) = 3
  ↳ Levenshtein - Dist.

"Ähnlichkeit



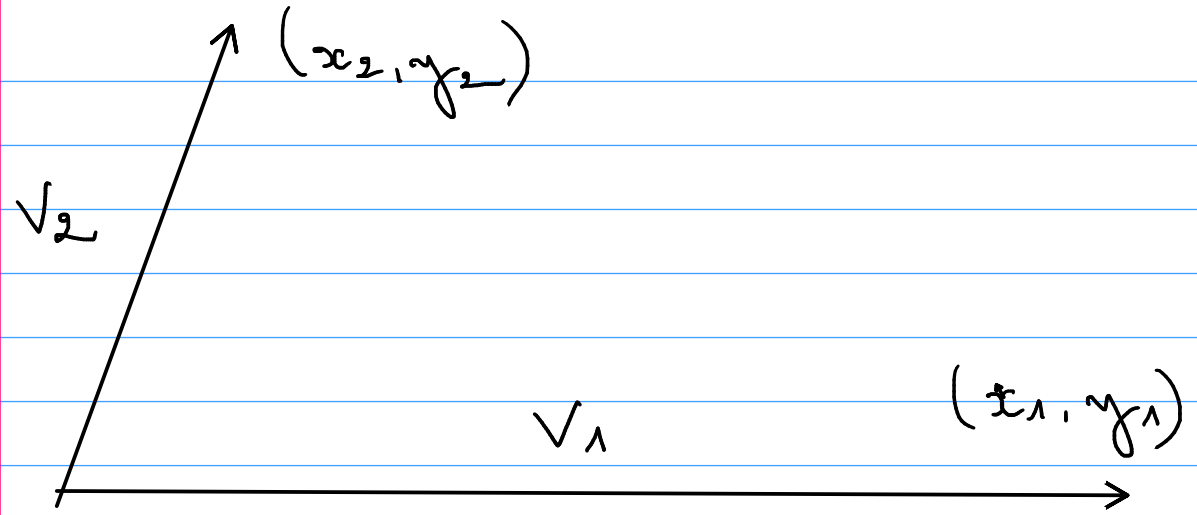
$$\frac{\text{gemeinsame Elemente}}{\text{Anzahl aller EFC}} = \frac{2}{4} = 0.5$$

BROT

ROT

$sim(BROT, ROT) = 3$

↳ Longest - Common - Subseq

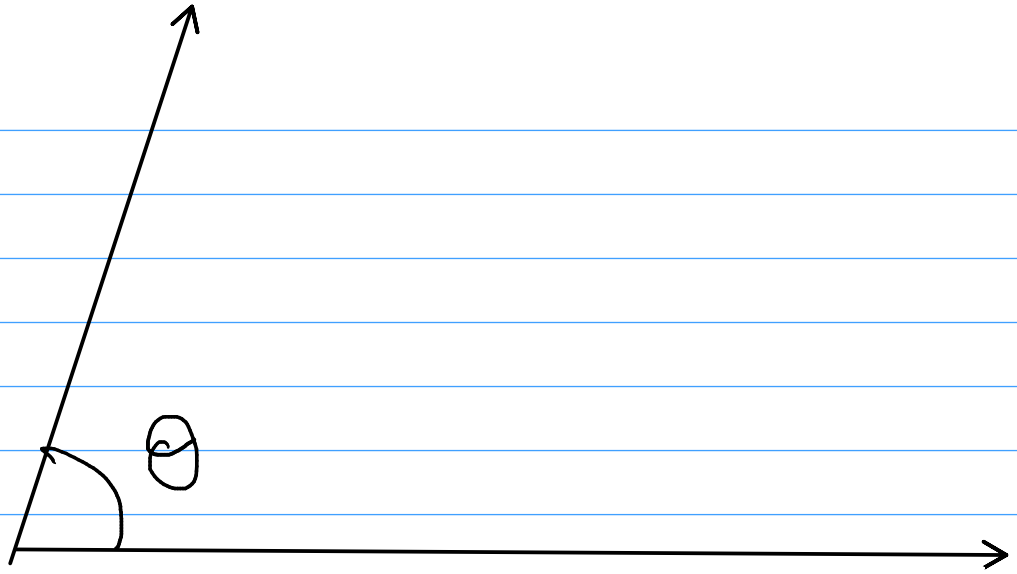


Skalarprodukt:

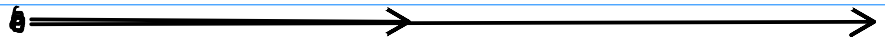
$$v_1 \cdot v_2 = x_1 \cdot x_2 + y_1 \cdot y_2 \; (+ z_1 \cdot z_2)$$

$\langle v_1, v_2 \rangle$

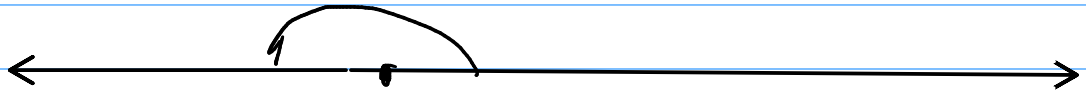
np.dot (v_1, v_2)



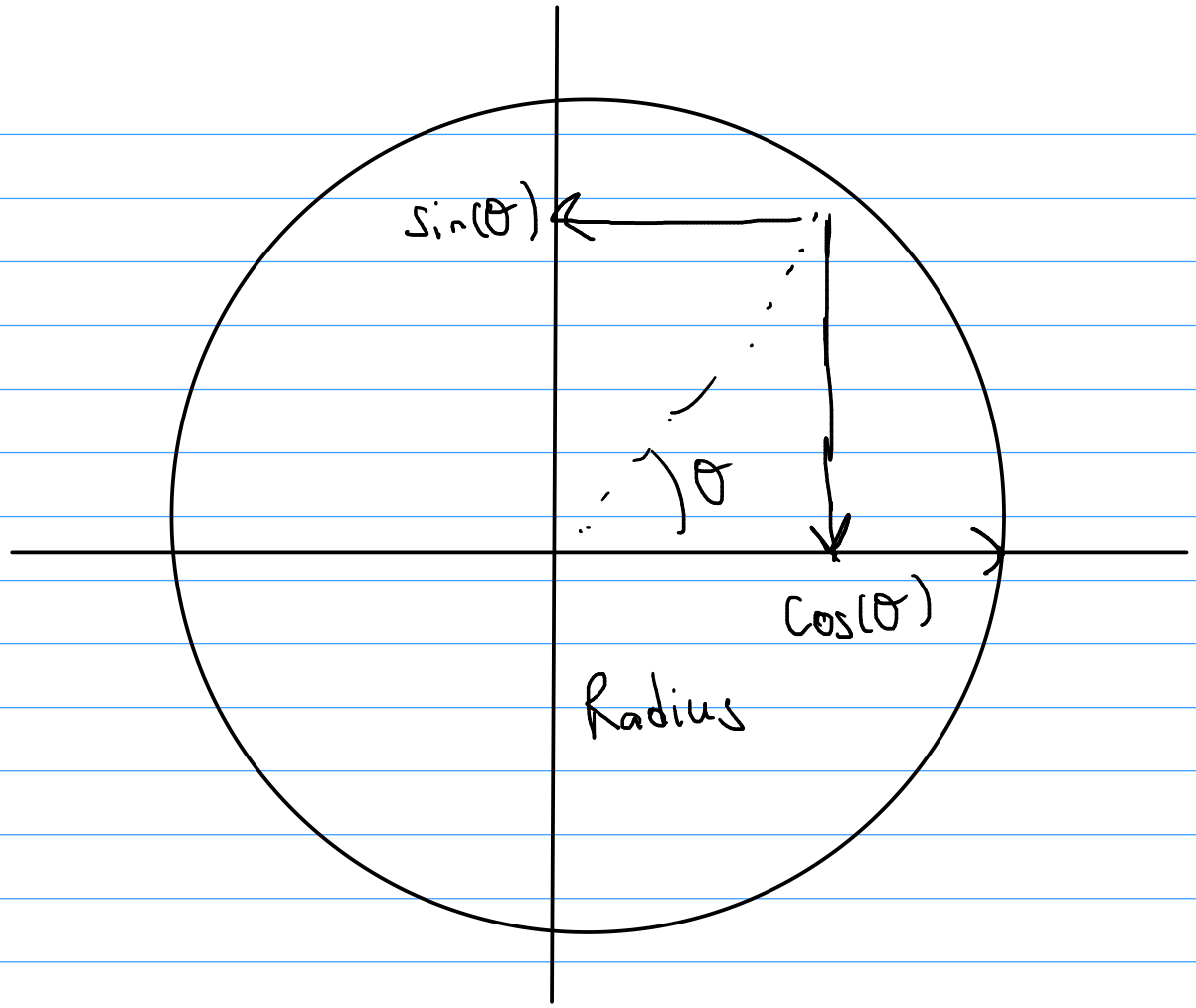
$0^\circ \rightsquigarrow Sim = 1$



$180^\circ \rightsquigarrow Sim = -1$



$$\frac{v_1 \cdot v_2}{\|v_1\| \|v_2\|} = \cos(\theta)$$


Sin(θ)
θ
Cos(θ)
Radius