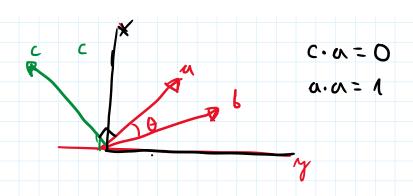


```
-> dinamicos (Transformers (e.g. BERT)
                                                         L) SOTA IN NLP
 Word 2 Vec -) word -) vector (estático)
   ) NO es un algoritmo/modelo
   (-) Es una librería/paquete
(-) SKipgram, CBOW
= p(- (w,c) = 1-p(+ |w,c)
 P(+|W,C) = similaridad (W,C)
                      Lo producto punto (dot product) ER
   <a, b> . < c, d> = a.c + b.d = R
      \vec{a} \cdot \vec{b} = \cos \theta \rightarrow \vec{a} \cdot \vec{b} = \cos \theta = \vec{a} \cdot \vec{b} = |\vec{a}| |\vec{b}| |\cos \theta
     O = ángulo entre a:B
    | | = \( \v_1^2 + \v_2^2 + \dots + \v_n^2 \) \( \mathbb{R} \)
```

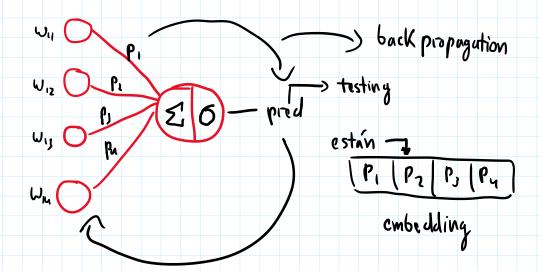


$$P(+|w_1c) = \sigma(w \cdot c) \qquad \sigma(x) = 1 \qquad => sigmoide$$

$$A + e^{-x}$$

$$P(+|w_1c| = ||G(w \cdot c_1)| \quad donde \quad C = 4 \quad window = 4$$

$$i = 1 \quad G(w \cdot c_1) \cdot G(w \cdot c_2) \cdot \dots$$



extraer moistras negutivas -> Negative sampling

Skipgram with Negative sampling -> regresion logistica

(sigmoide)

