	DATE: NO:
	Cosine Similarity & Distance
	Intuition:
	2d-Dimension: we have 3 documents, and let us consider only 2 dominant terms in these 2 documents: data, game. We represent the frequency of these 2 words as x, 8 x2 in the 2-d plane.
	(fler of doc) doc3
	doct / / / / / / / / / / / / / / / / / / /
	doc 1: (3,6) = 3 appearances of dota & 6 counts of game $doc 2: (12,15)$: $doc 3: (1,10)$
6	Now, Euclidean distance: $ doc, -doc_2 _2 = \overline{162} $
•	However, in fact, both doc, 8 docs are from the same extract 2 "Dota vs Humanity" while doc3 is from "Grames of the century".
	The catch is doc 3 is a super long on-ticle, and norturally (statistically) contain more
	nords, -> the chance of dotal game appear is higher, but by right, doc I should be more similar.
	Thus, in the 2d-space, in this situation, the excliden magnitude may not
	he as in Renotine. Tastead, finding the angle between is better
	$\frac{\cos \theta \text{ of } doc, \$ docz = \begin{bmatrix} \frac{3}{6} \end{bmatrix} \begin{bmatrix} \frac{12}{15} \\ \frac{15}{15} \end{bmatrix}}{(45.5)(6)} = 0.839$
'ND of	doc 8do(= [15][10] -0.839 - [45.]369

cost of docs savis - net . Tint

