

# TF-IDF דוגמה - 2 דאטא, 1 מילה

דאטא 1

$$\begin{aligned} 27 + 3 + 14 &= 44 \\ 4 + 33 + 33 &= 70 \\ 24 + 29 + 17 &= 70 \end{aligned}$$

doc1 > terms 570 ①  
doc2 > terms 570  
doc3 > terms 570



TF:

	Doc1	Doc2	Doc3
car	$\frac{27}{44}$	$\frac{4}{70}$	$\frac{24}{70}$
auto	$\frac{3}{44}$	$\frac{33}{70}$	0
insurance	0	$\frac{33}{70}$	$\frac{29}{70}$
best	$\frac{14}{44}$	0	$\frac{17}{70}$



$$TF-IDF(t, d) = TF(t, d) \cdot IDF(t)$$

דאטא 2 ③

TF-IDF:

	Doc1	Doc2	Doc3
car	$\frac{27}{44} \cdot 1.65 = 1.01$	$\frac{4}{70} \cdot 1.65 = 0.09$	$\frac{24}{70} \cdot 1.65 = 0.56$
auto	$\frac{3}{44} \cdot 2.08 = 0.14$	$\frac{33}{70} \cdot 2.08 = 0.98$	0
insurance	0	$\frac{33}{70} \cdot 1.62 = 0.78$	$\frac{29}{70} \cdot 1.62 = 0.67$
best	$\frac{14}{44} \cdot 1.5 = 0.47$	0	$\frac{17}{70} \cdot 1.5 = 0.36$