2											
							Muham	mad	Asad		
									158		
Chroup - 4											
			^ L				routeri				
Intro to Data Science											
					Assic	nmen	t 5				
	c4 "	Cumalatas	alt				ti kana a sarah salah dan dan salah sa	and the second s			
	S1 = "	Sunshine	State	en	py En	nshine"		( .	11		
52 = "brown fox jump high; brown fox run." 53 = "Sunshine state fox rund fast."											
•		80113111		State	10	x run	<u>(</u>	ast.	•		
						All of the second section of the section					
t	30W M	10400									
	5000	10000									
_	Vocabe	ulary:	hx	กพกา	enio	y, fo	ast,	fox	high.		
	•	ulary:	run		state	Su	nshine		J		
. 6	30W:	JPP									
•	brown	enjoy	fast	fox	high	Jump.	ุชบก	State	Sunshine	total	
81	0	1	0	. 0	0	. 0	0	1	a	4	
_ 5a	a	0	0	a	1	1	1	0	0	7	
53	0	0	11'	1 1	0	0	1	1	1	5	
			·		govern of statements and a sone becomes the						
V	ector S	1= [ (	), 1,	0,0	0,0	0,1	1, a				
V	lector S	d= [ 6	3,0,	0,2	, 1, 1	, 1	0,0				
	Sector S	3 = [ (	), 0,	1,1	,0,0	, , ,					
TE	Mod	lel:				HI VALUE					
	מעוסשם.		fast	fox	high,	wmp	run	State	supshi	ne	
1f-81	0	1,10	0	0	0	0	Q	1/4	1/2	120	
H-S2	2/7	0	0	2/7	1/7	77	47	0	0	_	
ff-83	10	0	1/5	1/5	0	0	15	1/5	1/5	77	

( DCA & 1/21 6)

IDF Mod	el :-			
brown enjo	y fast fox	high jump		
IDF 0.47 0.4	7 0.47 0.17	0.47 0.47	0.17 0.17	0.17
· .				
The -				
TF-IDF Value	100 8-	10 10		
		= tf x idf	16 110 (62)	
	tf-idf(S1)	ef-iaf (sa)	tf-idf (s3)	
Sunshine	0.77	0	0.417	
State	0.38	0	0	
enjoy brown	0.50	0.67		
fox	0	0.51	0.417	
jum p	0	0.33	0	
hìgh	0	0.33		
run	0	0.25	0.417	
	0	0	0.54	
6				
Cosine Simila	wity blu SI	and S3:	7	
81 = [	0, 1, 0, 0	,0,0,0,	1,27	
82=	0,0,1,1	,0,0,0,	1, 1	
100	(2)		J	
cos (S1, S	(S3) = (S3)			
101 92) 10	183	11.153		
(\$1.83) = (0.4)	+ 1 + U \^ a	0+0+	1+2) =	=) 3
1821 = (1	+1 +1 +1 +1	170 = 3	1. 45	
		0.5	3.336	
cos (81, 8	3) 2	3	110	
	(a,4	5)(2.236)	0.547	6
Cosine	Similarity	= 0.54	7.6	
	J		10	