



ny sr k languaç	nooth ge modeling	ing? is very very cool
Mo	del M	
P(w)	w	
0.125	cool	
0.125	1	
0.125	is	
0.125	language	
0.125	modeling	
0.125	think	What are the probabilities?
0. 250	very	P("language modeling think")
		P("cool language modeling") P("cool cool modeling") P("language modeling retrieval")
	Mon P(w) 0.125 0.125 0.125 0.125 0.125 0.125 0.125 0.125 0.125 0.250	Nodel M       P(w)     w       0.125     cool       0.125     is       0.125     language       0.125     sodeling       0.125     sodeling       0.125     sodeling       0.125     sodeling       0.125     b       0.125     sodeling       0.125     think       0.250     very









•••	The Startin	g F	2	Dİ	n	t				
	Ten	m		Doc 3	Doc 4	Doc 5	Doc 6	Doc 7	Doc 8	
	aid		0 0	0	1	0	0	0	1	
	all		0 1	0	1	0	1	0	0	
	bac	k !	1 0	1	0	0	0	1	0	
	brov	/n	1 0	1	0	1	0	1	0	
	com	ie (	0 1	0	1	0	1	0	1	
	dog		0 0	1	0	1	0	0	0	
	fox		0 0	1	0	1	0	1	0	
	goo	d (	0 1	0	1	0	1	0	1	
	jum	p (	0 0	1	0	0	0	0	0	
	laz	/	1 0	1	0	1	0	1	0	
	mei	n (	0 1	0	1	0	0	0	1	
	nov	v (	0 1	0	0	0	1	0	1	
	OVE	r '	1 0	1	0	1	0	1	1	
	part	y (	0 0	0	0	0	1	0	1	
	quic	k '	1 0	1	0	0	0	0	0	
	thei	ir t	1 0	0	0	1	0	1	0	
	time	e (	0 1	0	1	0	1	0	0	
	The term-documen about the collectio	t mati n	rix	has	s "I	baį	g o	of v	NO	rds" information





















•••	Wo Frequ (sam	rd Freq uency of 50 m ple of 19 millio	ost common on words)	in En words in El	<b>glish</b> nglish	
	the	1130021	from	00000	or	54958
	of	547311	he	94585	about	53713
	to	516635	million	93515	market	52110
	а	464736	year	90104	they	51359
	in	390819	its	86774	this	50933
	and	387703	be	85588	would	50828
	that	204351	was	83398	you	49281
	for	199340	company	83070	which	48273
	is	152483	an	76974	bank	47940
	said	148302	has	74405	stock	47401
	it	134323	are	74097	trade	47310
	on	121173	have	73132	his	47116
	by	118863	but	71887	more	46244
	as	109135	will	71494	who	42142
	at	101779	say	66807	one	41635
	mr	101679	new	64456	their	40910
	with	101210	share	63925		

The foll ri fi ni	owing shows s the rank of wo s the frequency s the total numb	rf*1000/n ord w in the samp of word w in the per of word occurr	le sample rences in the	sample	
the	59	from	92	or	101
of	58	he	95	about	102
to	82	million	98	market	101
а	98	year	100	they	103
in	103	its	100	this	105
and	122	be	104	would	107
that	75	was	105	you	106
for	84	company	109	which	107
is	72	an	105	bank	109
said	78	has	106	stock	110
it	78	are	109	trade	112
on	77	have	112	his	114
by	81	but	114	more	114
as	80	will	117	who	106
at	80	say	113	one	107
mr	86	new	112	their	108
with	91	share	114		



## Other Zipfian Distributions Library book checkout patterns Website popularity Incoming Web page requests Outgoing Web page requests Document size on Web







•••	Decoupling the Inverted Index
	The term Index Postings
	all 2,4,0
	brown 1357
	don 3.5
	fox 3,57
	iump 3
	lazy 1.3.5.7
	men 2.4.8
	now 2, 6, 8
	over 1, 3, 5, 7, 8
	party 6,8
	quick 1, 3
	their 1, 5, 7
	time 2, 4, 6























































