Date:	M T W T F S S
	000000
Cosine Similarity:	
Bow vectors:	Y+ X 1 X - Y
	1 1
$S1 = \begin{bmatrix} 1.211111111100000 \end{bmatrix}$ $S2 = \begin{bmatrix} 11111116100011000 \end{bmatrix}$	Talina A .
53 = [200001 200011000]	
53 = [200002000000114]	
(Os 51 510 iby (at 60) at 10	STACOLKE K
cos_similarity (s1,52) = s1.52	
[51] [52]	
cos_similarity (s1,53) = s1.53	
1511.1531) n S = Y
cos_similarity (s2,53) = 52.53	1516
1521 [53]	M Sin a land
1611	X : A
$ S1 = \int_{0}^{1} (1)^{2} + (2)^{2} + (1)^{2}$	1)+(1)+(1)+(1)+(1)+(1)+(1)+(1)+(1)+(1)+(
t(0)2+(0)2+(0)2+	The state of the s
= 1+4+1+1+1+1+1+1+1+1	H = 114 = 3.742
$ S^2 = \int_{-\infty}^{\infty} (1)^{\frac{1}{2}} (1)^{\frac{1}{2}} (1)^{\frac{1}{2}} (1)^{\frac{1}{2}} (1)^{\frac{1}{2}} (0)^{\frac{1}{2}} (0)^{\frac{1}{2}} (0)^{\frac{1}{2}} (0)^{\frac{1}{2}}$	$(0)^{2}+(1)^{2}+(1)^{2}+(0)^{2}+(0)^{2}+(0)^{2}$
= 1.9 = 3	2 1 2 4 B 14
153 = 2(2) +0+0+0+0+(1) +0+0+0+0+0	0+0+0+(1)+(1)+(1)+(1)2
= \(\frac{8}{8} = \frac{1}{2} \cdot \text{828} \)	4
S1.52 = 1+2+1+1+1+0+1+0+0+0+	p+p+o+o+o+
0 1 = 18 1 8 S + May 8 = 1	C. CHAYGIA
31.53 = 2 + 0 + 0 + 0 + 0 + 1 + 0 + 0 + 0 + 0	+ 0+0+0+0+0
- 3	
52.53 = 2 + 0 + 0 + 0 + 0 + 1 + 0 + 0 + 0	totototototo KING'S
N Z Z	

Manhattan dist to+ot o+ 0+ 1+ 0+ 1+ 1+ 1 dist (\$1,83 Euclidean dist $(-1)^{2}+(2)^{2}+(1)$ Date:

 $E_{dist}(S^{2},S^{3}) = \sqrt{(-1)^{2}_{+}(1)^$

Cosine Similarity :

 $= \int (9 \times 10^{-4}) + (9 \times 10^{-4}) + (6.0 \times 10^{-3}) + (0.04)^{\frac{7}{4}} ($

1521 = 10+(0.02)+(0.02)+(0.02)+(0.02)+(0.02)+0+0+(0.03)+(0.053)+(0.053)

 $= \sqrt{(2x16^{3})+(5.618x16^{-3})} = 0.087$

153) = (0.08)2+(0.08)2+(0.08)2

= 10.0192 = 0.138

\$1.52 = 0+6×10-4 3×10-4 3×10-4 0+3×10-4+0

81.83 = 0

s2.s3 z o

cos_similarity (s1,52) = 1-8×10-3 = 0.229

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Date:

cos-similarity (\$1,53) = \$1.53 = 0 0 20 = 0

 $\cos = \sin \log x y (52, 53) = 52.53$ $\cos = \sin \log x y (52, 53) = 52.53$ $\cos = \cos x y = 0$ $\cos = \cos x y = 0$ $\cos x = \cos x y = 0$

Manhattan dist:

M_dist (s1,52) =+ sum (s1-+52/00-)+

= 0+0-01+5×16-3+5×16-3+5×16-4+5×16-3+0-04+0-04+0-053+0-053

- 0-946

M_dist (51,53) = sum (51-53)

= 0.03+0.015+0.015+0.015+0.015+0.015+0.04+0.04+0.04+

80.0480.0480.04

= 0.49

M-dist (52,53) = Sum [52-53]

= 0.03+0.03+0.02+0.02+0.03+0.053+0.053

+0.08 +0.08 +0.08

= 0.446

Euclidean Distance:

E-dist (s1,53) = 2 sum (s1-s2)2

 $= \sqrt{0+(0\cdot01)^{2}+(5\times10^{-3})^{2}+(-5\times10^{-3})^{2}+(-5\times10^{-3})^{2}+(0\cdot04)^{2}+(-5\times10^{-3})^{2}+(0\cdot04)^{2}+(0$

(0.04) 2+ (0.053)2+ (0.053)2

= 0.110

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E_dist (S1,S3) = Joum(s1-s3)2

 $= \sqrt{(0.03)^{\frac{2}{3}}(0.015)^{\frac{2}{3}}($

= 0-165

 $= -8.5 + (52.53) = -(0.02)^{2} + (0.02)^{$

= 0.163