Homework 4

Hichem Belhocine 18-206-722

Task1:

Predict the mi fallering with Ferrest Gump Intouchables Fight Jul lion king	K = 2 a	nd co	ine sir	wen by	ssed col	Lote alme	
Forest Gump Intouchables Fight club lion kings the average of Rest Gump = 2	Michael	Paul	Ann 5	Julie 5	herre	Sophie	
= Intouchables	4	5	9,	21	3	5	
= Fight club	5	3	2	3	1	Ч	
lion king	3	5	7	u	3	5	
the average n	ating:						
Represt Eurap = 2		5+4+	4 = 14	33			
300,000	6						
Rintouchalles = [2	4,2						
R Fight Club = [2	_						
right Club - [-							
Blinking = 4,1							
Cosine Similari	ly:		_ 2				
Rhonking = [4,1] Cosine Similari Sij = Zkes(F	Rik · Rik	KARTE					
	Riv 1/ Z	K Rik					
		:+1	alall.	mant o	~ 218 WI	ll comp	ute
the missing no the coine simi	almy s	n mon) alla	with t	Ress.		
the come sum	larity for	3+5.5	+ 4.5.	+3.4+	5,4	_89	
S(Interchalles, Farest (Summy OH	2+52+11	2+32+5	I . V3 4	5275276	-89 1° +42 Vo	1.10
= [0,978] = [0,978] Sintouchable; Fight = [0,947]							
Sintouchable, Eight	.001-4.	5+5,3	+4.3+	3.1+	5.4		- VA
A A F VI		3					100

Stintenchables, lion King) = 41.3 + 5.5 + 41.41 + 2.3 + 5.5 = [0.995]

- Using K = 2) Farest Gump and lion King will the similar oreighbors.

Then:

Rentauchables K: + Zu; eN; Sij (Rjk - Rj)

Entauchables K: + Zu; eN; Sij (Rjk - Rj)

= 41.2 + 0.978 (5 - 4.33) + 0.995 (5 - 4.17) = 41.952]

0.978 + 0.995