THEORY LANGUE VITON DI HONDING
Step 1
nove title Movie Tag 10,000 1000
Inception Sin Fi Thmiller Dream Heist Leo Hardy.
Interstellar 111 Drama Space Future Mc
The Darkkijd Action, Crime, notham, Toker, Bale;
8/ep 3,10,10,0,10,0,00001111 Wein V 2100 31
we extract all unique words from their tags to
form vocabulary: troins stugina 2 and
40 tel = 18
Sep3: 29 : (8) 9) renolinis
Eexch movie is now represented às an 18-
dimensional Vector, where each dimension correspond
to a word from vocab.
(Action Bale Crime Damy Dream Futire Gotham Marty Heist Joken
Inception 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Interstellar
The Dorkking !
Jan Ledner Mc Congueber Nobel Sci-Fil Space Thille 2 immor
Teo Ledger Mc Conaughay Nobal Sci-Fil Space Thille Zimmon
(0x0) r(ax1) S.
like this we will see every sontence one
re convert into vector.
their devices of enoingount of more
2 5 1 + 1 + 1 = 1
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Each row is a vector representation of move Inophon= (0,0,0,0,0),0,0,1,1,0,1,0,0;0;0,1,1,0,1,1) Interstellor = [0,0,0,1,0,1,0,0,0,0,0,0,0,1,1,1,1, The Dork Knight = [1,1,1,0,0,1,0,0,1,0,1,0,1,0,1,0,0,0,1,1] Etep 3: Compute & milarity Dring Conne fimilarity Similarity (A,B) = A.B R is dot product of two serverdor I are magnitude [Euclidean no rm] lets compute between & Inception vs. Intercite lar: > (0x0)+(0x0).... 18414149 now for Inception rs = 1+1+1

16

es Compute magnitudes
(IAI) = Jai + 922 9N2
For Inception
For Inaption [1A] = Jo2 + o2 3) 7 2.645
For Interstellar: (B) = 17=2-641 & 2.645
For 12ar Knight [1C1] = 17 2 2.645
similarity (Inaption, Intersteller) = 4
(5,9,1 \ 5,0,7 \)
similarly L. Inaption, The Dorkmyt) = 3 = 0.43
T 1 (17) (1) (1)
Since, Inception al Interstellar have high similarity (0'17), Interstellar is recommend when tearching for movies
when tearthing for movies