Jan 11. J. OfanGMT Day 43 (O) Lsin = cosine similarly (court matrix)

Movie-user-likes: "Aroutal" def got_index_from_title[title]:

return df[df.title=:title]["index"] volues[0] def get=title-from-index (index): return df [df.index==index] ["title"].value(w) movie-index = get. index from-title (movie. user-likes) Similar movies: list (enumerate (coinsm(m)vieinder)

Gnewis a siple of enumerate ques
where first observat is index and value
and example of index and value

surted-similar movies, surted(similar movies, Log = lumbanda x: X[]) reverse = True / Report to higher

x (s) sim scare d(o): index of movier Print 10 similar montes for element in sorted-similar-movies: print (get-title-from-index (element[0]) 17:1 break. i in vange (10). indu = souted-similar-moves[i][D] THE F get- title- form-index Linder)

Generate full ude on paper. (in reclims 1. Impura librariers. import pundos as god imput numpy as my sentere extraction text

from sic learnedext pointing import aunt verborizer

from skelearn pair wie import avine similanty. Helper tan det get-index from title (+it(w):
return df [df. title = title]["index]. value. [0] det get-title-from-index (index):

noted of (df. index == Index)("title").values(0) 2. Read movie dated df : pd-read-csu ("novie-dataset. (SV)"

3. Select features of interes)
features: ["keyword", "genre", "cast", "dinetor"]

4. Create a new column in the dateset that contine all selected features for feature in teatures: d+[feature]: df [feature].fillnul') det combine-features (row): refirm row ("keyourd") + " " + row ("genre") t" " + row("cast") t " " t oxech: ("eminor") df [(ombine tectives "): df. apply (compine-teature, 0x (2 = 1) S. Crente wunt matrix Cv= (aunt Vectorizon() (vunt_matrix = cv. fif_transform {df["(umbiae features")] artray: count-matrix. to a range

le. Conpute the cusine-similarity blo the
movies based on count matrix

(US-Sim = cosine-similarity (count-matrix)

2 donor like similar our movie, user like

2 defining the like = 11 Avator

movie user-like = 11 Avator

movie-index get-index-from-title (movie-

user- like)
similar, main: list (enumerate (cosidesim [movie-index)
give similanto
sax

Sort-similar movies: Sorted (similar-movies, key= lambda x: KEO), reverse = True) 7. A. List of similar movies

the in range (10):

index: safed - similar, movies [i] [0]

title: get-title from index (index)

print (title)