		RS - ASSIGNMENT - 2	2211(5010 547 GROUP- 3
1)	Compare User-based collaborative gittering and stem-based, collaborative gitteradallas,		
AND:	Ecature	User based collaborative filtering	guiratly suitarodular besod mate
	(1) Consept	Recommends items by finding	Recommends items by finding similar items.
	2 Similarity Basis	Based on user behaviour	Based an item interactions
	© Computational	High Cas user isundantly changes dynamically)	era ceitivalinua nueti) recual (eldata eranı
	trate blas (A) meldard	struggles with wew users	Struggles with new items
	(E) Personalization	Highly personalized as it	ti ea bezilanoarez reez
		esmoreford reau na chnefebr	generalized item similarities
	Escalability	easail reem regral roj elebalases eses	meti as eldalase eram sel nas reitiralinia beturpnosery
	5) Data Sparsity	anistraretre reau nestes especte	Performs better in sparse datasets
	8 Dynamic Adaption	ensitearetrie rece user as aspread	More stable as tem. velotionships change slowly.
	,	, /, <b>,</b>	
	9 Best use -	sprants somerefery resu north	there items rumain constant
	lans.	hair ai atab & yetheryperf	glearage travely every
		· · · · · · · · · · · · · · · · · · ·	

2) Write about estrengths and weaknesses of neighbourhood is methods.

## Ans OUser - based callaborative filtering r

moser bus rusivaded rabinia their cream abrief shoorffar with abres. casuresfort riett us bessed anetic abres

## · Strangths .

- Eure recommendations are based on user similarity, they are tailored to individual tasks
- Dereat for depression preferences, when when when described by when were dedicated frequently changes.
- terreputric bus breaterebrus at reseas (3)

If a ferran enjoy the same TV show as you, their freferences can quide you were vecommendations.

- · Weakness +
- priorie interestrates, printerfras, sesserare creace for rectance ett et.
- Soop tigs thou gratain noitsaretin an atim reau were A ... waitabronnaser.

- Erequent Recalculation needed p Since user preferences change over time, similarity calculations must be updated originally.
- , gristly sutarodallos besod nett (1)

errant areau mont now bessel anetre rationer about some detarretuing

- · Strength .
- Tem similarities are relatively stable, so recommundation can be presomputed and stored.
- @ Handles expanse data better Even if user interact with few items, thoug item relationships
  non still guarate useful recommendations.
- aneti ner besoel encitabremmaser enieser near eresu were never enit. Atric tearetie ra were purit
- · Weekness :-
- O cold Start problem Cyor item) r

  A brand new item with no interactions won't be recommended

  Applications.

- (2) Less frersonalized r restar beard getrahmia met no beard era enoitabremmaser enil than user specific preferences, they might not feel highly . bevoluit The state of the same of the state of
- (3) Fail with unique preferences in Claura with wiche preferences may not get useful recommendaenait.

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