TDT4305 2021 - Assignment 7

Content-based recommendation

1. What are the steps for recommending items to users using content-based recommendation?

Collaborative filtering recommendation

1. Given the following utility matrix, predict user 3's rating of movie 1.

		Users				
		1	**2**	**3**	**4**	**5**
	1	1	2	?	2	3
Movies	**2**		3	3		
	3		1	3	5	
	4	5	3	2		2

   a) Calculate the Pearson correlation between movie 1 and the other movies.

   b) Let *N* be the set of 2 movies most similar to movie 1 that have been rated by user 3. Calculate user 3's predicted rating of movie 1.