

# Content-based recommender systems



# Content-based recommender systems



# Weighing the genres

	
	2
	10
	8

Input User Ratings

	Comedy	Adventure	Super Hero	Sci-Fi
	0	1	1	0
	1	1	1	1
	1	0	1	0

Movies Matrix

# Weighing the genres


	
	2
	10
	8

X

	Comedy	Adventure	Super Hero	Sci-Fi
	0	1	1	0
	1	1	1	1
	1	0	1	0

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	Comedy	Adventure	Super Hero	Sci-Fi
	0	2	2	0
	10	10	10	10
	8	0	8	0

	Comedy	Adventure	Super Hero	Sci-Fi
	18	12	20	10

Input User Ratings

Movies Matrix


User Profile

Weighted Genre Matrix




# Candidate movies for recommendation



	Comedy	Adventure	Super Hero	Sci-Fi
	1	1	0	1
	0	0	1	0
	1	0	1	0

# Finding the recommendation

	Comedy	Adventure	Super Hero	Sci-Fi
	0.3	0.2	0.33	0.16

User Profile



	Comedy	Adventure	Super Hero	Sci-Fi
	1	1	0	1
	0	0	1	0
	1	0	1	0

Movies Matrix

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	Comedy	Adventure	Super Hero	Sci-Fi
	0.3	0.2	0	0.16
	0	0	0.33	0
	0.3	0	0.33	0

Weighted Movies Matrix



Weighted Average
0.66
0.33
0.63

Recommendation Matrix

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