

Team Members

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Practice 2.1

Topic	
Sum of Movie 1	106
Sum of Mov 2	96
Sum of Mov 3	122
Count Student	93
Count Student per Mov	31
Global mean	3.483870968
Supposed k	5
Damped mean of Mov1	3.428315412
Damped mean of Mov2	3.150537634
Damped mean of Mov3	3.872759857
Simple mean of Mov1	3.419354839
Simple mean of Mov2	3.096774194
Simple mean of Mov3	3.935483871
▲ of Mov1	0.008960573
▲ of Mov2	0.053763441
▲ of Mov3	-0.062724014

We use damp_mean(i) =

$$\frac{\sum_u r_{ui} + k\mu}{n + k}$$

Ranking ▼	Movies ▼	Damped_mean ▼
1	Movie 3	3.873
2	Movie 1	3.428
3	Movie 2	3.15

Practice 2.2

Topic	
Gravity	1.8
Count student	31
Count Up Topic 1	0
Count Up Topic 2	29
Count Up Topic 3	21
Count Up Topic 4	29
Count Up Topic 5	8
Count down topic 1	31
Count down topic 2	2
Count down topic 3	10
Count down topic 4	2
Count down topic 5	23
Published time Topic 1	12
Published time Topic 2	7
Published time Topic 3	2
Published time Topic 4	8
Published time Topic 5	5
Score of topic 1	-0.276770319
Score of topic 2	0.498123271
Score of topic 3	0.824692444
Score of topic 4	0.41207223
Score of topic 5	-0.481885114

We use Hacker News Ranking Algorithm to get Scores.

$$Score = \frac{(P - 1)}{(T + 2)^G}$$

Ranking	Topics	Score
1	Topic 3	0.825
2	Topic 2	0.498
3	Topic 4	0.412
4	Topic 1	-0.277
5	Topic 5	-0.482