



Northeastern University, Khoury College of Computer Science

CS 6220 Data Mining | Assignment 1

Due: September 19, 2023(100 points)

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<https://github.com/amandaay/CS6220DataMining/tree/main>

Question 1

Cardinality in 'basket_data.csv' is 21.

Question 2

[['ham', 'cheese'], ['ham', 'bread'], ['cheese', 'bread']]

Question 3

- (a) Total ratings: 100480507
- (b) Total Unique users = 479723
- (c) Range of years: 1999 – 2005

Question 4

- (a) Total ratings: 16994
- (b) Number of movie names refer to four different movies = 5

Question 5

- (a) Exactly 200 movies = 605
- (b) Most liked movies among the 200 users =
 - 'Adaptation',
 - 'Amelie',
 - 'American Beauty',
 - 'Apocalypse Now',
 - 'Apocalypse Now Redux',
 - 'Band of Brothers',
 - 'Being John Malkovich',
 - 'Bowling for Columbine',
 - 'Boys Don't Cry',
 - 'Cabaret',
 - 'Days of Wine and Roses',
 - 'Downfall',
 - 'Election',
 - 'Eternal Sunshine of the Spotless Mind',
 - 'Gandhi',

'Garden State',
'Good Will Hunting',
'Harold and Maude',
'High Fidelity',
'L.A. Confidential',
'Lord of the Rings: The Fellowship of the Ring',
'Lord of the Rings: The Return of the King',
'Lord of the Rings: The Return of the King: Extended Edition',
'Lord of the Rings: The Two Towers',
'Lord of the Rings: The Two Towers: Extended Edition',
'Lost in Translation',
'Maria Full of Grace',
'Memento',
'Minority Report',
'Monster',
'Monty Python and the Holy Grail',
'Monty Python's Life of Brian',
'Monty Python's The Meaning of Life: Special Edition',
'Raging Bull',
'Raising Arizona',
'Roger & Me',
'Schindler's List',
'Shakespeare in Love',
'Sideways',
'Super Size Me',
'Taxi Driver',
'The Accused',
'The Lord of the Rings: The Fellowship of the Ring: Extended Edition',
'The Manchurian Candidate',
'The Pianist',
'The Royal Tenenbaums',
'The Shawshank Redemption: Special Edition',
'The Silence of the Lambs',
'The Usual Suspects',
'This Is Spinal Tap',
'Three Kings',
'To Be and To Have',
'To Die For',
'Touching the Void',
'Unforgiven',
'Vietnam: A Television History',
'Whale Rider'}