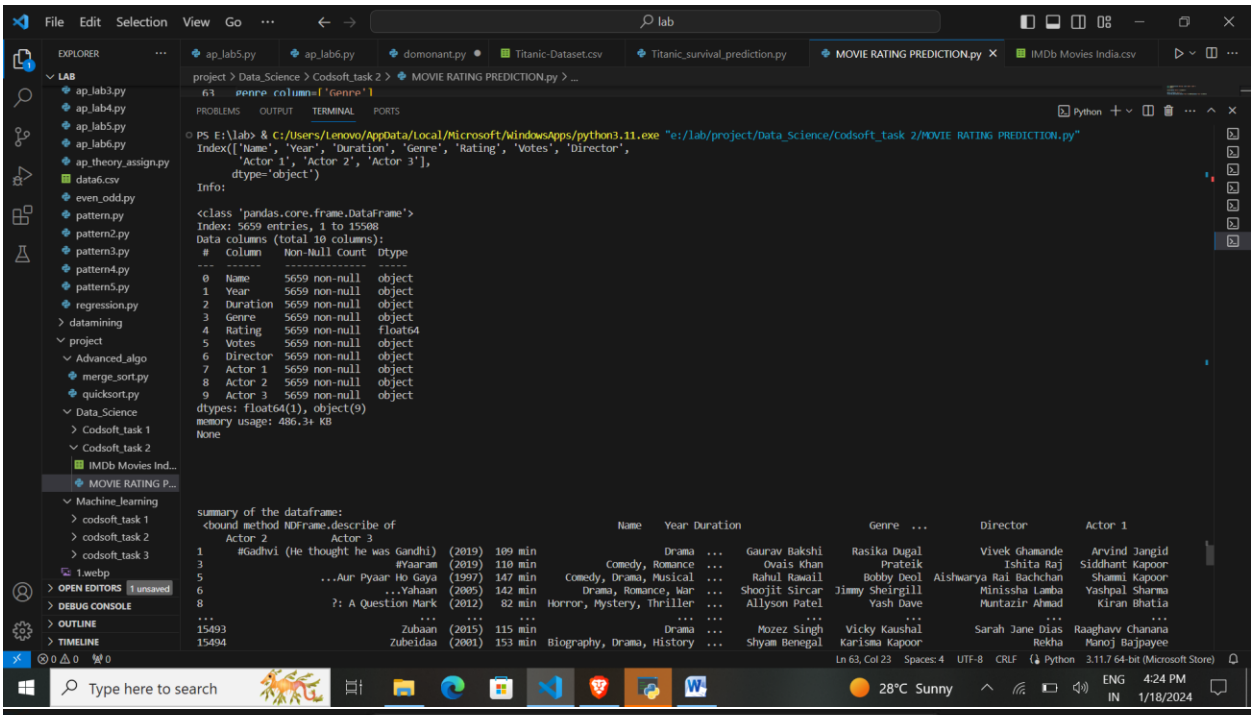
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lab
ap_lab5.py
ap_lab6.py
domonant.py
Titanic-Dataset.csv
Titanic_survival_prediction.py
MOVIE RATING PREDICTION.py
IMDb Movies India.csv
project > Data_Science > Codsoft_task 2 > MOVIE RATING PREDICTION.py > ...
63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
PS E:\lab> & C:/Users/Lenovo/AppData/Local/Microsoft/WindowsApps/python3.11.exe "e:/lab/project/Data_Science/Codsoft_task 2/MOVIE RATING PREDICTION.py"
Index(['Name', 'Year', 'Duration', 'Genre', 'Rating', 'Votes', 'Director',
'Actor 1', 'Actor 2', 'Actor 3'],
dtype='object')
Info:
<class 'pandas.core.frame.DataFrame'>
Index: 5659 entries, 1 to 15508
Data columns (total 10 columns):
Column Non-Null Count Dtype
0 Name 5659 non-null object
1 Year 5659 non-null object
2 Duration 5659 non-null object
3 Genre 5659 non-null object
4 Rating 5659 non-null float64
5 Votes 5659 non-null object
6 Director 5659 non-null object
7 Actor 1 5659 non-null object
8 Actor 2 5659 non-null object
9 Actor 3 5659 non-null object
dtypes: float64(1), object(9)
memory usage: 486.3+ KB
None
summary of the dataframe:
<bound method NDFrame.describe of Name Year Duration Genre ... Director Actor 1
Actor 2 Actor 3
1 #Gadhvi (He thought he was Gandhi) (2019) 109 min Drama ... Gaurav Bakshi Rasika Dugal Vivek Ghamande Arvind Jangid
3 #Yaaram (2019) 110 min Comedy, Romance ... Ovais Khan Prateik Ishita Raj Siddhant Kapoor
5 ...Aur Pyaar Ho Gaya (1997) 147 min Comedy, Drama, Musical ... Rahul Rawail Bobby Deol Aishwarya Rai Bachchan Shammi Kapoor
6 ...Yahaan (2005) 142 min Drama, Romance, War ... Shoojit Sircar Jimmy Sheirgill Minissha Lamba Yashpal Sharma
8 ?: A Question Mark (2012) 82 min Horror, Mystery, Thriller ... Allyson Patel Yash Dave Muntazir Ahmad Kiran Bhatia
... ...
15493 Zubaan (2015) 115 min Drama ... Mozez Singh Vicky Kaushal Sarah Jane Dias Raaghavv Chanana
15494 Zubeidaa (2001) 153 min Biography, Drama, History ... Shyam Benegal Karisma Kapoor Rekha Manoj Bajpayee
Ln 63, Col 23 Spaces: 4 UTF-8 CRLF Python 3.11.7 64-bit (Microsoft Store)
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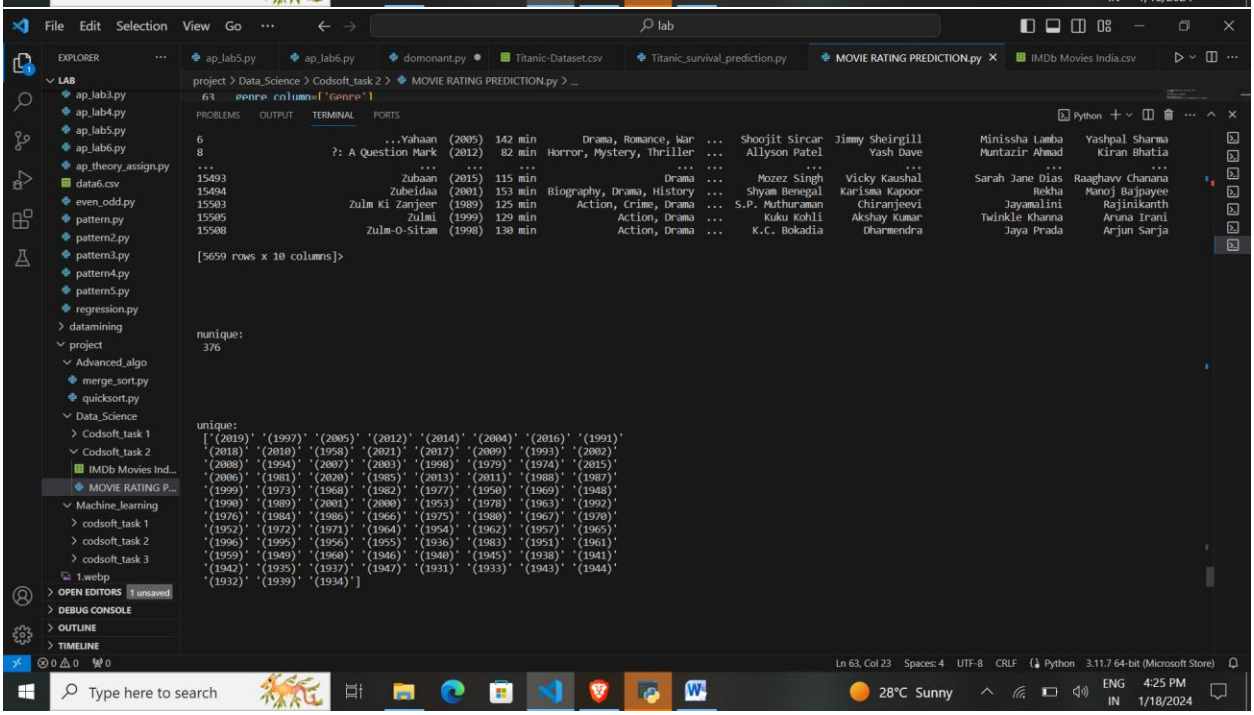
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63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
6 ...Yahaan (2005) 142 min Drama, Romance, War ... Shoojit Sircar Jimmy Sheirgill Minissha Lamba Yashpal Sharma
8 ?: A Question Mark (2012) 82 min Horror, Mystery, Thriller ... Allyson Patel Yash Dave Muntazir Ahmad Kiran Bhatia
... ...
15493 Zubaan (2015) 115 min Drama ... Mozez Singh Vicky Kaushal Sarah Jane Dias Raaghavv Chanana
15494 Zubeidaa (2001) 153 min Biography, Drama, History ... Shyam Benegal Karisma Kapoor Rekha Manoj Bajpayee
15503 Zulm Ki Zanjeer (1989) 125 min Action, Crime, Drama ... S.P. Muthuraman Chiranjeevi Jayamalini Rajinikanth
15505 Zulmi (1999) 129 min Action, Drama ... Kuku Kohli Akshay Kumar Twinkle Khanna Aruna Irani
15508 Zulm-O-Sitam (1998) 130 min Action, Drama ... K.C. Bokadia Dharmendra Jaya Prada Arjun Sarja
[5659 rows x 10 columns]>
nunique:
376
unique:
['(2019)' '(1997)' '(2005)' '(2012)' '(2014)' '(2004)' '(2016)' '(1991)'
'(2018)' '(2010)' '(1958)' '(2021)' '(2017)' '(2009)' '(1993)' '(2002)'
'(2008)' '(1994)' '(2007)' '(2003)' '(1998)' '(1979)' '(1974)' '(2015)'
'(2006)' '(1981)' '(2020)' '(1985)' '(2013)' '(2011)' '(1988)' '(1987)'
'(1999)' '(1973)' '(1968)' '(1982)' '(1977)' '(1950)' '(1969)' '(1948)'
'(1990)' '(1989)' '(2001)' '(2000)' '(1953)' '(1978)' '(1963)' '(1992)'
'(1976)' '(1984)' '(1986)' '(1966)' '(1975)' '(1980)' '(1967)' '(1970)'
'(1952)' '(1972)' '(1971)' '(1964)' '(1954)' '(1962)' '(1957)' '(1965)'
'(1996)' '(1995)' '(1956)' '(1955)' '(1936)' '(1983)' '(1951)' '(1961)'
'(1959)' '(1949)' '(1960)' '(1946)' '(1940)' '(1945)' '(1938)' '(1941)'
'(1942)' '(1935)' '(1937)' '(1947)' '(1931)' '(1933)' '(1943)' '(1944)'
'(1932)' '(1939)' '(1934)']
Ln 63, Col 23 Spaces: 4 UTF-8 CRLF Python 3.11.7 64-bit (Microsoft Store)
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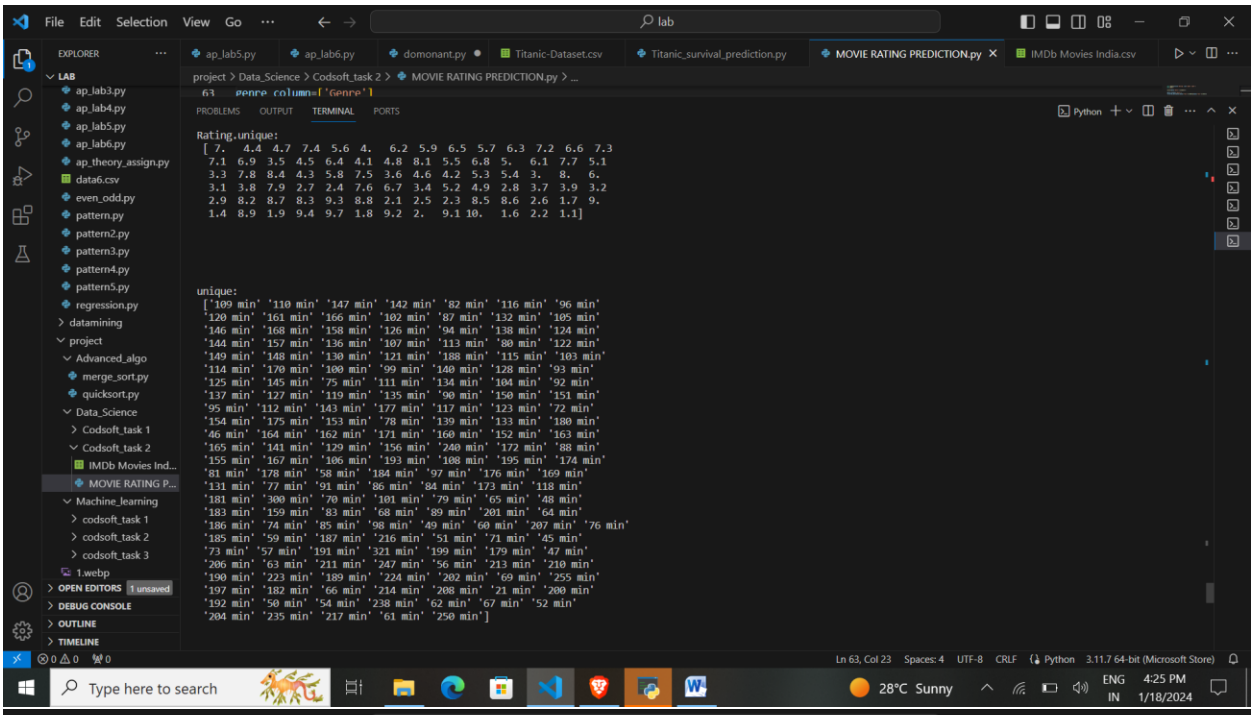
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IMDb Movies India.csv
project > Data_Science > Codsoft_task 2 > MOVIE RATING PREDICTION.py > ...
63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
Rating.unique:
[7. 4.4 4.7 7.4 5.6 4. 6.2 5.9 6.5 5.7 6.3 7.2 6.6 7.3
7.1 6.9 3.5 4.5 6.4 4.1 4.8 8.1 5.5 6.8 5. 6.1 7.7 5.1
3.3 7.8 8.4 4.3 5.8 7.5 3.6 4.6 4.2 5.3 5.4 3. 8. 6.
3.1 3.8 7.9 2.7 2.4 7.6 6.7 3.4 5.2 4.9 2.8 3.7 3.9 3.2
2.9 8.2 8.7 8.3 9.3 8.8 2.1 2.5 2.3 8.5 8.6 2.6 1.7 9.
1.4 8.9 1.9 9.4 9.7 1.8 9.2 2. 9.1 10. 1.6 2.2 1.1]
unique:
['109 min' '110 min' '147 min' '142 min' '82 min' '116 min' '96 min'
'120 min' '161 min' '166 min' '102 min' '87 min' '132 min' '105 min'
'146 min' '168 min' '158 min' '126 min' '94 min' '138 min' '124 min'
'144 min' '157 min' '136 min' '107 min' '113 min' '80 min' '122 min'
'149 min' '148 min' '130 min' '121 min' '188 min' '115 min' '103 min'
'114 min' '170 min' '100 min' '99 min' '140 min' '128 min' '93 min'
'125 min' '145 min' '75 min' '111 min' '134 min' '104 min' '92 min'
'137 min' '127 min' '119 min' '135 min' '90 min' '150 min' '151 min'
'95 min' '112 min' '143 min' '177 min' '117 min' '123 min' '72 min'
'154 min' '175 min' '153 min' '78 min' '139 min' '133 min' '180 min'
'46 min' '164 min' '162 min' '171 min' '160 min' '152 min' '163 min'
'165 min' '141 min' '129 min' '156 min' '240 min' '172 min' '88 min'
'155 min' '167 min' '106 min' '193 min' '108 min' '195 min' '174 min'
'81 min' '178 min' '58 min' '184 min' '97 min' '176 min' '169 min'
'131 min' '77 min' '91 min' '86 min' '84 min' '173 min' '118 min'
'181 min' '300 min' '70 min' '101 min' '79 min' '65 min' '48 min'
'183 min' '159 min' '63 min' '68 min' '89 min' '201 min' '64 min'
'186 min' '74 min' '85 min' '98 min' '49 min' '60 min' '207 min' '76 min'
'185 min' '59 min' '187 min' '216 min' '51 min' '71 min' '45 min'
'73 min' '57 min' '191 min' '321 min' '199 min' '179 min' '47 min'
'206 min' '63 min' '211 min' '247 min' '56 min' '213 min' '210 min'
'190 min' '223 min' '189 min' '224 min' '202 min' '69 min' '255 min'
'197 min' '182 min' '66 min' '214 min' '208 min' '21 min' '200 min'
'192 min' '50 min' '54 min' '238 min' '62 min' '67 min' '52 min'
'204 min' '235 min' '217 min' '61 min' '250 min']
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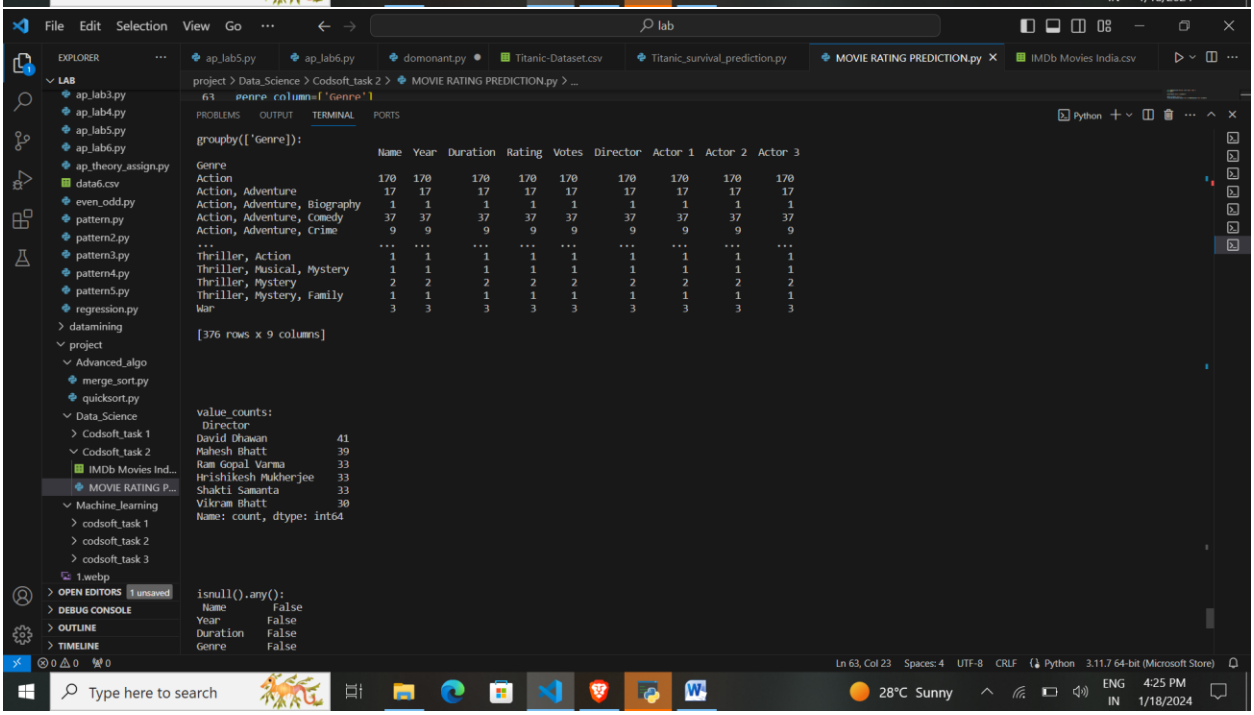
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lab
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project > Data_Science > Codsoft_task 2 > MOVIE RATING PREDICTION.py > ...
63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
groupby(['Genre']):
Name Year Duration Rating Votes Director Actor 1 Actor 2 Actor 3
Genre
Action 170 170 170 170 170 170 170 170 170
Action, Adventure 17 17 17 17 17 17 17 17 17
Action, Adventure, Biography 1 1 1 1 1 1 1 1 1
Action, Adventure, Comedy 37 37 37 37 37 37 37 37 37
Action, Adventure, Crime 9 9 9 9 9 9 9 9 9
... ...
Thriller, Action 1 1 1 1 1 1 1 1 1
Thriller, Musical, Mystery 1 1 1 1 1 1 1 1 1
Thriller, Mystery 2 2 2 2 2 2 2 2 2
Thriller, Mystery, Family 1 1 1 1 1 1 1 1 1
War 3 3 3 3 3 3 3 3 3
[376 rows x 9 columns]
value_counts:
Director
David Dhawan 41
Mahesh Bhatt 39
Ram Gopal Varma 33
Hrishikesh Mukherjee 33
Shakti Samanta 33
Vikram Bhatt 30
Name: count, dtype: int64
isnull().any():
Name False
Year False
Duration False
Genre False
Ln 63, Col 23 Spaces: 4 UTF-8 CRLF Python 3.11.7 64-bit (Microsoft Store)
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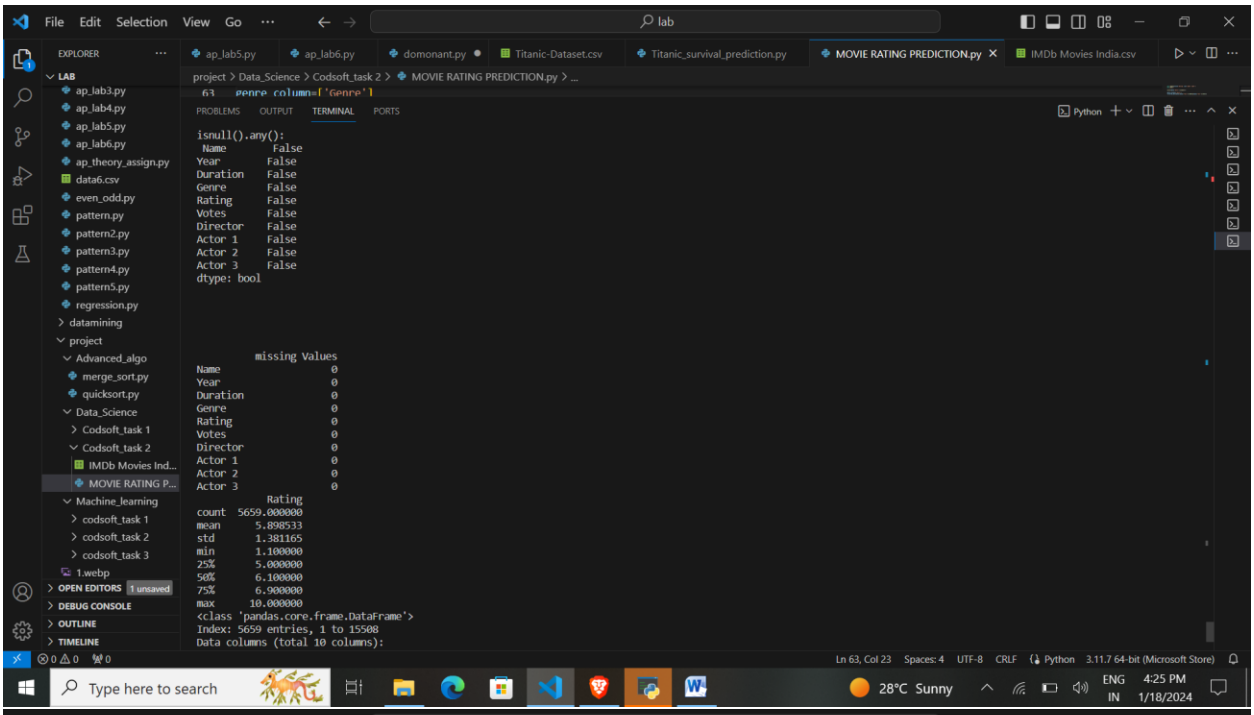
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MOVIE RATING PREDICTION.py
project > Data_Science > Codsoft_task 2 > MOVIE RATING PREDICTION.py > ...
63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
isnull().any():
Name False
Year False
Duration False
Genre False
Rating False
Votes False
Director False
Actor 1 False
Actor 2 False
Actor 3 False
dtype: bool
missing Values
Name 0
Year 0
Duration 0
Genre 0
Rating 0
Votes 0
Director 0
Actor 1 0
Actor 2 0
Actor 3 0
Rating
count 5659.000000
mean 5.898533
std 1.381165
min 1.100000
25% 5.000000
50% 6.100000
75% 6.900000
max 10.000000
<class 'pandas.core.frame.DataFrame'>
Index: 5659 entries, 1 to 15508
Data columns (total 10 columns):
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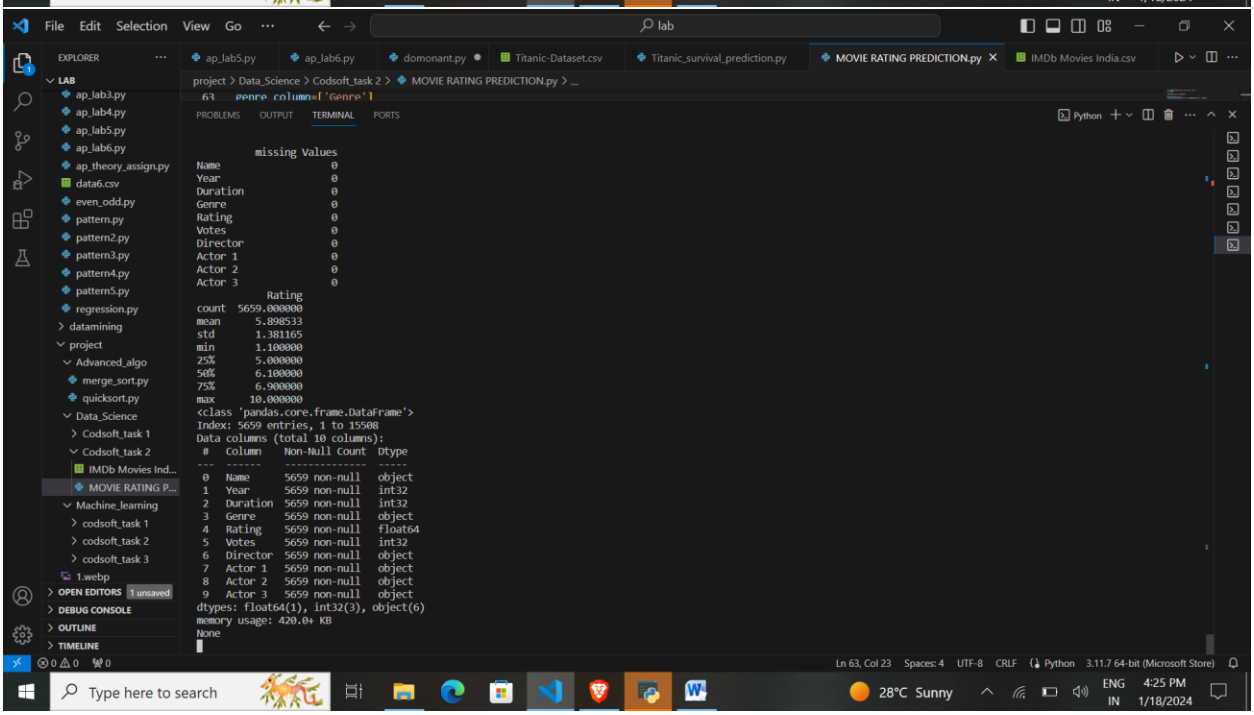
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MOVIE RATING PREDICTION.py
project > Data_Science > Codsoft_task 2 > MOVIE RATING PREDICTION.py > ...
63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
missing Values
Name 0
Year 0
Duration 0
Genre 0
Rating 0
Votes 0
Director 0
Actor 1 0
Actor 2 0
Actor 3 0
Rating
count 5659.000000
mean 5.898533
std 1.381165
min 1.100000
25% 5.000000
50% 6.100000
75% 6.900000
max 10.000000
<class 'pandas.core.frame.DataFrame'>
Index: 5659 entries, 1 to 15508
Data columns (total 10 columns):
Column Non-Null Count Dtype
0 Name 5659 non-null object
1 Year 5659 non-null int32
2 Duration 5659 non-null int32
3 Genre 5659 non-null object
4 Rating 5659 non-null float64
5 Votes 5659 non-null int32
6 Director 5659 non-null object
7 Actor 1 5659 non-null object
8 Actor 2 5659 non-null object
9 Actor 3 5659 non-null object
dtypes: float64(1), int32(3), object(6)
memory usage: 420.0+ KB
None
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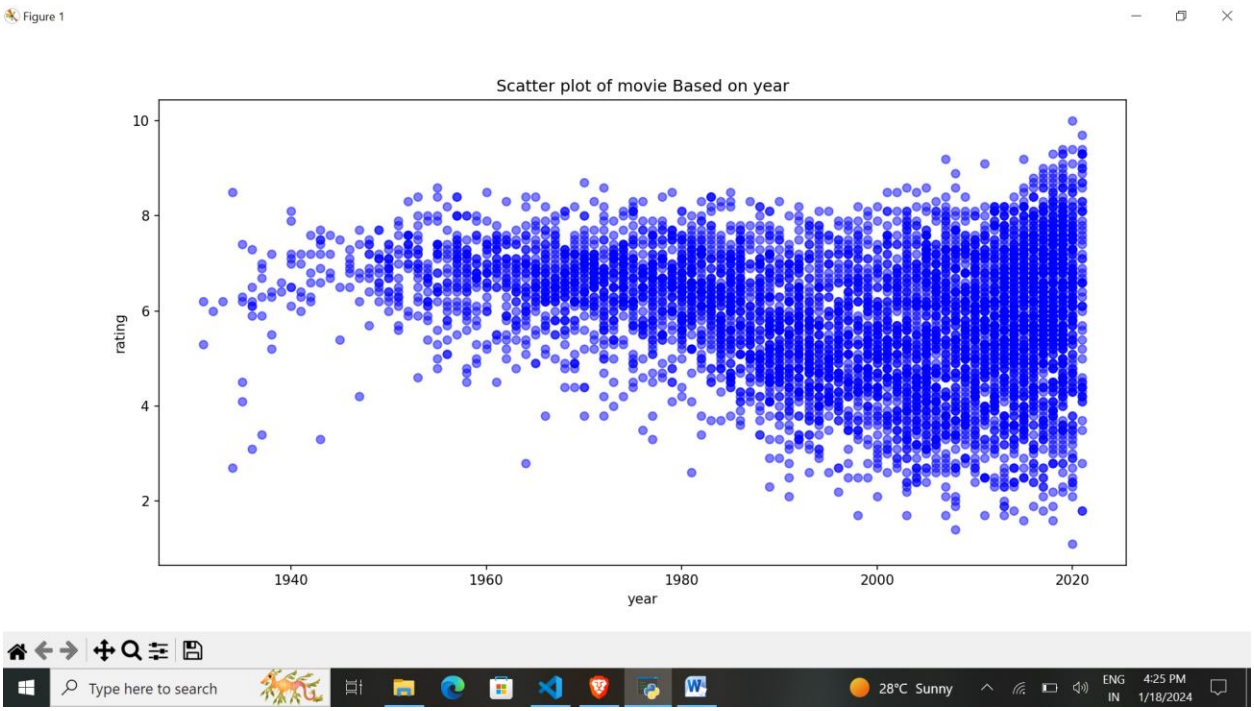
Figure 1
Scatter plot of movie Based on year
rating
year
10
8
6
4
2
1940
1960
1980
2000
2020
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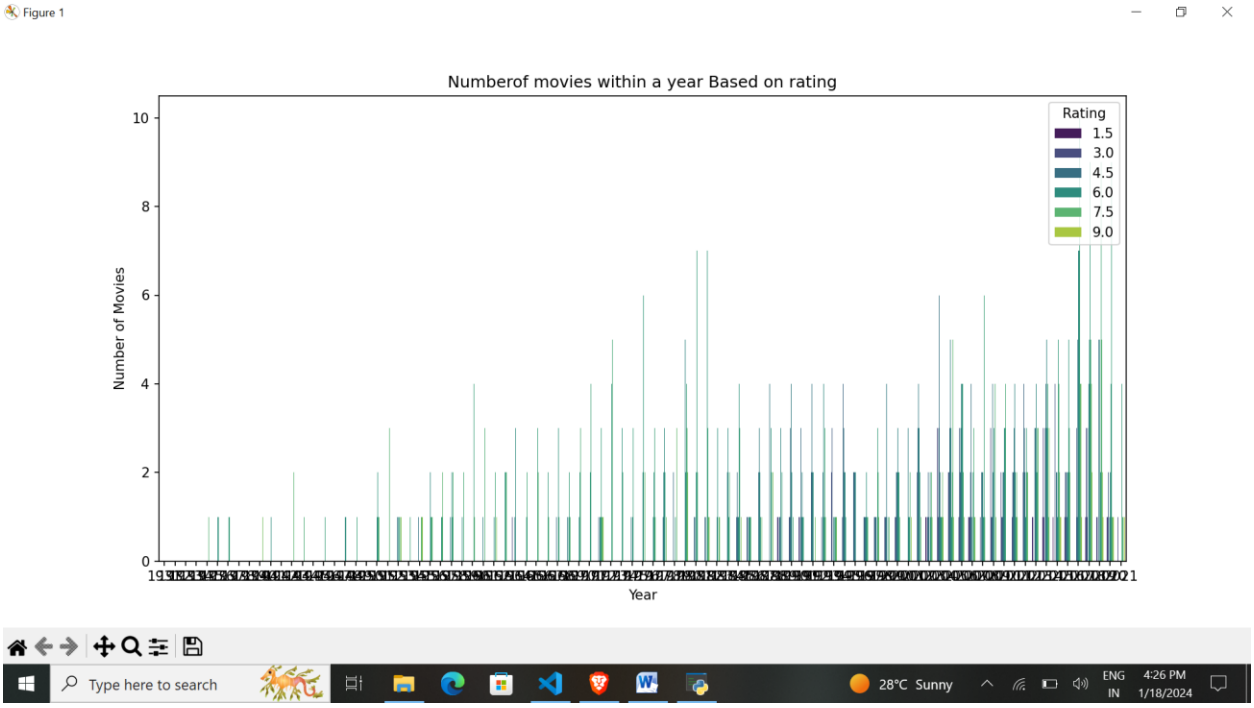
Figure 1
Numberof movies within a year Based on rating
Number of Movies
Year
Rating
1.5
3.0
4.5
6.0
7.5
9.0
10
8
6
4
2
0
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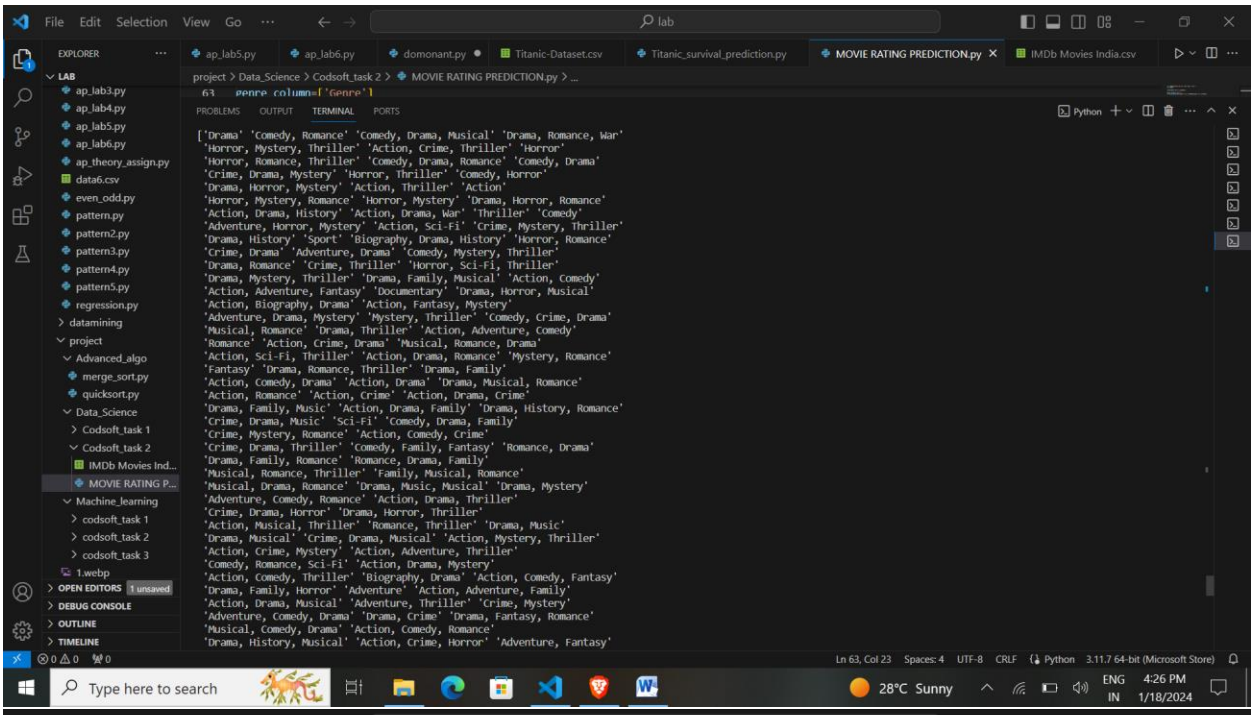
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lab
EXPLORER
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project > Data_Science > Codsoft_task 2 > MOVIE RATING PREDICTION.py > ...
63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
['Drama' 'Comedy, Romance' 'Comedy, Drama, Musical' 'Drama, Romance, War'
'Horror, Mystery, Thriller' 'Action, Crime, Thriller' 'Horror'
'Horror, Romance, Thriller' 'Comedy, Drama, Romance' 'Comedy, Drama'
'Crime, Drama, Mystery' 'Horror, Thriller' 'Comedy, Horror'
'Drama, Horror, Mystery' 'Action, Thriller' 'Action'
'Horror, Mystery, Romance' 'Horror, Mystery' 'Drama, Horror, Romance'
'Action, Drama, History' 'Action, Drama, War' 'Thriller' 'Comedy'
'Adventure, Horror, Mystery' 'Action, Sci-Fi' 'Crime, Mystery, Thriller'
'Drama, History' 'Sport' 'Biography, Drama, History' 'Horror, Romance'
'Crime, Drama' 'Adventure, Drama' 'Comedy, Mystery, Thriller'
'Drama, Romance' 'Crime, Thriller' 'Horror, Sci-Fi, Thriller'
'Drama, Mystery, Thriller' 'Drama, Family, Musical' 'Action, Comedy'
'Action, Adventure, Fantasy' 'Documentary' 'Drama, Horror, Musical'
'Action, Biography, Drama' 'Action, Fantasy, Mystery'
'Adventure, Drama, Mystery' 'Mystery, Thriller' 'Comedy, Crime, Drama'
'Musical, Romance' 'Drama, Thriller' 'Action, Adventure, Comedy'
'Romance' 'Action, Crime, Drama' 'Musical, Romance, Drama'
'Action, Sci-Fi, Thriller' 'Action, Drama, Romance' 'Mystery, Romance'
'Fantasy' 'Drama, Romance, Thriller' 'Drama, Family'
'Action, Comedy, Drama' 'Action, Drama' 'Drama, Musical, Romance'
'Action, Romance' 'Action, Crime' 'Action, Drama, Crime'
'Drama, Family, Music' 'Action, Drama, Family' 'Drama, History, Romance'
'Crime, Drama, Music' 'Sci-Fi' 'Comedy, Drama, Family'
'Crime, Mystery, Romance' 'Action, Comedy, Crime'
'Crime, Drama, Thriller' 'Comedy, Family, Fantasy' 'Romance, Drama'
'Drama, Family, Romance' 'Romance, Drama, Family'
'Musical, Romance, Thriller' 'Family, Musical, Romance'
'Musical, Drama, Romance' 'Drama, Music, Musical' 'Drama, Mystery'
'Adventure, Comedy, Romance' 'Action, Drama, Thriller'
'Crime, Drama, Horror' 'Drama, Horror, Thriller'
'Action, Musical, Thriller' 'Romance, Thriller' 'Drama, Music'
'Drama, Musical' 'Crime, Drama, Musical' 'Action, Mystery, Thriller'
'Action, Crime, Mystery' 'Action, Adventure, Thriller'
'Comedy, Romance, Sci-Fi' 'Action, Drama, Mystery'
'Action, Comedy, Thriller' 'Biography, Drama' 'Action, Comedy, Fantasy'
'Drama, Family, Horror' 'Adventure' 'Action, Adventure, Family'
'Action, Drama, Musical' 'Adventure, Thriller' 'Crime, Mystery'
'Adventure, Comedy, Drama' 'Drama, Crime' 'Drama, Fantasy, Romance'
'Musical, Comedy, Drama' 'Action, Comedy, Romance'
'Drama, History, Musical' 'Action, Crime, Horror' 'Adventure, Fantasy'
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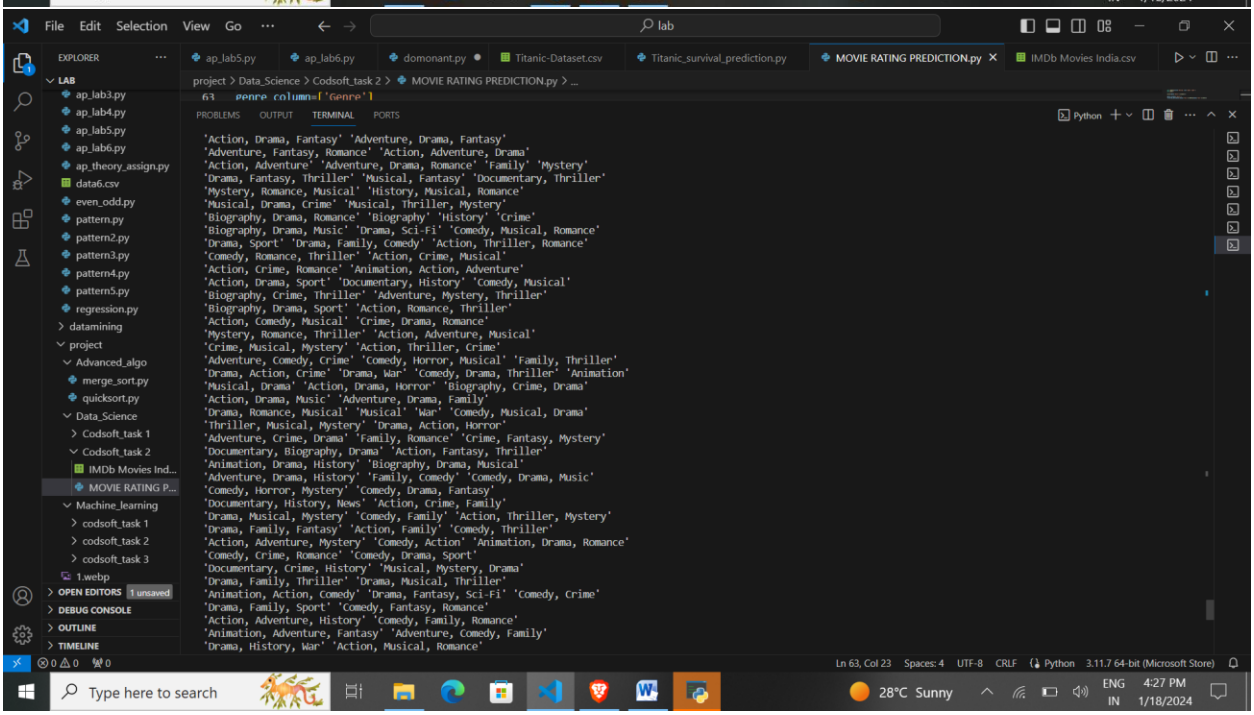
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63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
'Action, Drama, Fantasy' 'Adventure, Drama, Fantasy'
'Adventure, Fantasy, Romance' 'Action, Adventure, Drama'
'Action, Adventure' 'Adventure, Drama, Romance' 'Family' 'Mystery'
'Drama, Fantasy, Thriller' 'Musical, Fantasy' 'Documentary, Thriller'
'Mystery, Romance, Musical' 'History, Musical, Romance'
'Musical, Drama, Crime' 'Musical, Thriller, Mystery'
'Biography, Drama, Romance' 'Biography' 'History' 'Crime'
'Biography, Drama, Music' 'Drama, Sci-Fi' 'Comedy, Musical, Romance'
'Drama, Sport' 'Drama, Family, Comedy' 'Action, Thriller, Romance'
'Comedy, Romance, Thriller' 'Action, Crime, Musical'
'Action, Crime, Romance' 'Animation, Action, Adventure'
'Action, Drama, Sport' 'Documentary, History' 'Comedy, Musical'
'Biography, Crime, Thriller' 'Adventure, Mystery, Thriller'
'Biography, Drama, Sport' 'Action, Romance, Thriller'
'Action, Comedy, Musical' 'Crime, Drama, Romance'
'Mystery, Romance, Thriller' 'Action, Adventure, Musical'
'Crime, Musical, Mystery' 'Action, Thriller, Crime'
'Adventure, Comedy, Crime' 'Comedy, Horror, Musical' 'Family, Thriller'
'Drama, Action, Crime' 'Drama, War' 'Comedy, Drama, Thriller' 'Animation'
'Musical, Drama' 'Action, Drama, Horror' 'Biography, Crime, Drama'
'Action, Drama, Music' 'Adventure, Drama, Family'
'Drama, Romance, Musical' 'Musical' 'War' 'Comedy, Musical, Drama'
'Thriller, Musical, Mystery' 'Drama, Action, Horror'
'Adventure, Crime, Drama' 'Family, Romance' 'Crime, Fantasy, Mystery'
'Documentary, Biography, Drama' 'Action, Fantasy, Thriller'
'Animation, Drama, History' 'Biography, Drama, Musical'
'Adventure, Drama, History' 'Family, Comedy' 'Comedy, Drama, Music'
'Comedy, Horror, Mystery' 'Comedy, Drama, Fantasy'
'Documentary, History, News' 'Action, Crime, Family'
'Drama, Musical, Mystery' 'Comedy, Family' 'Action, Thriller, Mystery'
'Drama, Family, Fantasy' 'Action, Family' 'Comedy, Thriller'
'Action, Adventure, Mystery' 'Comedy, Action' 'Animation, Drama, Romance'
'Comedy, Crime, Romance' 'Comedy, Drama, Sport'
'Documentary, Crime, History' 'Musical, Mystery, Drama'
'Drama, Family, Thriller' 'Drama, Musical, Thriller'
'Animation, Action, Comedy' 'Drama, Fantasy, Sci-Fi' 'Comedy, Crime'
'Drama, Family, Sport' 'Comedy, Fantasy, Romance'
'Action, Adventure, History' 'Comedy, Family, Romance'
'Animation, Adventure, Fantasy' 'Adventure, Comedy, Family'
'Drama, History, War' 'Action, Musical, Romance'
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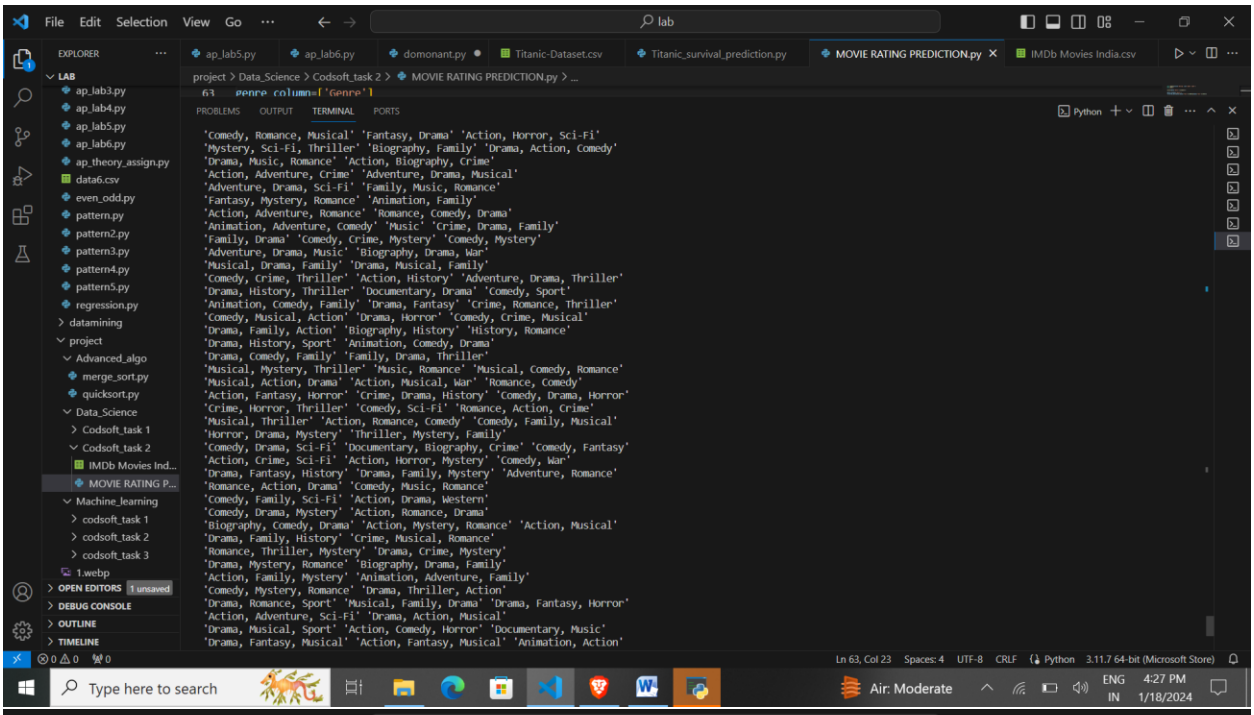
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63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
'Comedy, Romance, Musical' 'Fantasy, Drama' 'Action, Horror, Sci-Fi'
'Mystery, Sci-Fi, Thriller' 'Biography, Family' 'Drama, Action, Comedy'
'Drama, Music, Romance' 'Action, Biography, Crime'
'Action, Adventure, Crime' 'Adventure, Drama, Musical'
'Adventure, Drama, Sci-Fi' 'Family, Music, Romance'
'Fantasy, Mystery, Romance' 'Animation, Family'
'Action, Adventure, Romance' 'Romance, Comedy, Drama'
'Animation, Adventure, Comedy' 'Music' 'Crime, Drama, Family'
'Family, Drama' 'Comedy, Crime, Mystery' 'Comedy, Mystery'
'Adventure, Drama, Music' 'Biography, Drama, War'
'Musical, Drama, Family' 'Drama, Musical, Family'
'Comedy, Crime, Thriller' 'Action, History' 'Adventure, Drama, Thriller'
'Drama, History, Thriller' 'Documentary, Drama' 'Comedy, Sport'
'Animation, Comedy, Family' 'Drama, Fantasy' 'Crime, Romance, Thriller'
'Comedy, Musical, Action' 'Drama, Horror' 'Comedy, Crime, Musical'
'Drama, Family, Action' 'Biography, History' 'History, Romance'
'Drama, History, Sport' 'Animation, Comedy, Drama'
'Drama, Comedy, Family' 'Family, Drama, Thriller'
'Musical, Mystery, Thriller' 'Music, Romance' 'Musical, Comedy, Romance'
'Musical, Action, Drama' 'Action, Musical, War' 'Romance, Comedy'
'Action, Fantasy, Horror' 'Crime, Drama, History' 'Comedy, Drama, Horror'
'Crime, Horror, Thriller' 'Comedy, Sci-Fi' 'Romance, Action, Crime'
'Musical, Thriller' 'Action, Romance, Comedy' 'Comedy, Family, Musical'
'Horror, Drama, Mystery' 'Thriller, Mystery, Family'
'Comedy, Drama, Sci-Fi' 'Documentary, Biography, Crime' 'Comedy, Fantasy'
'Action, Crime, Sci-Fi' 'Action, Horror, Mystery' 'Comedy, War'
'Drama, Fantasy, History' 'Drama, Family, Mystery' 'Adventure, Romance'
'Romance, Action, Drama' 'Comedy, Music, Romance'
'Comedy, Family, Sci-Fi' 'Action, Drama, Western'
'Comedy, Drama, Mystery' 'Action, Romance, Drama'
'Biography, Comedy, Drama' 'Action, Mystery, Romance' 'Action, Musical'
'Drama, Family, History' 'Crime, Musical, Romance'
'Romance, Thriller, Mystery' 'Drama, Crime, Mystery'
'Drama, Mystery, Romance' 'Biography, Drama, Family'
'Action, Family, Mystery' 'Animation, Adventure, Family'
'Comedy, Mystery, Romance' 'Drama, Thriller, Action'
'Drama, Romance, Sport' 'Musical, Family, Drama' 'Drama, Fantasy, Horror'
'Action, Adventure, Sci-Fi' 'Drama, Action, Musical'
'Drama, Musical, Sport' 'Action, Comedy, Horror' 'Documentary, Music'
'Drama, Fantasy, Musical' 'Action, Fantasy, Musical' 'Animation, Action'
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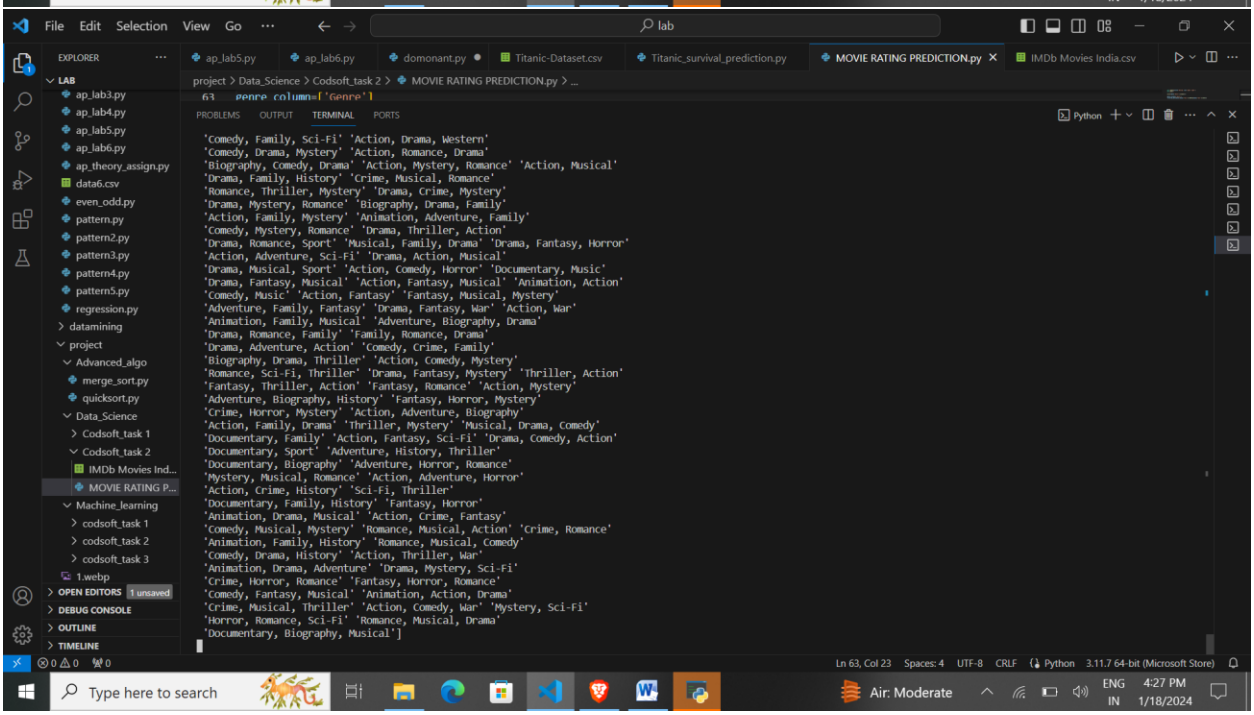
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lab
EXPLORER
ap_lab5.py
ap_lab6.py
domonant.py
Titanic-Dataset.csv
Titanic_survival_prediction.py
MOVIE RATING PREDICTION.py
IMDb Movies India.csv
project > Data_Science > Codsoft_task 2 > MOVIE RATING PREDICTION.py > ...
63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
'Comedy, Family, Sci-Fi' 'Action, Drama, Western'
'Comedy, Drama, Mystery' 'Action, Romance, Drama'
'Biography, Comedy, Drama' 'Action, Mystery, Romance' 'Action, Musical'
'Drama, Family, History' 'Crime, Musical, Romance'
'Romance, Thriller, Mystery' 'Drama, Crime, Mystery'
'Drama, Mystery, Romance' 'Biography, Drama, Family'
'Action, Family, Mystery' 'Animation, Adventure, Family'
'Comedy, Mystery, Romance' 'Drama, Thriller, Action'
'Drama, Romance, Sport' 'Musical, Family, Drama' 'Drama, Fantasy, Horror'
'Action, Adventure, Sci-Fi' 'Drama, Action, Musical'
'Drama, Musical, Sport' 'Action, Comedy, Horror' 'Documentary, Music'
'Drama, Fantasy, Musical' 'Action, Fantasy, Musical' 'Animation, Action'
'Comedy, Music' 'Action, Fantasy' 'Fantasy, Musical, Mystery'
'Adventure, Family, Fantasy' 'Drama, Fantasy, War' 'Action, War'
'Animation, Family, Musical' 'Adventure, Biography, Drama'
'Drama, Romance, Family' 'Family, Romance, Drama'
'Drama, Adventure, Action' 'Comedy, Crime, Family'
'Biography, Drama, Thriller' 'Action, Comedy, Mystery'
'Romance, Sci-Fi, Thriller' 'Drama, Fantasy, Mystery' 'Thriller, Action'
'Fantasy, Thriller, Action' 'Fantasy, Romance' 'Action, Mystery'
'Adventure, Biography, History' 'Fantasy, Horror, Mystery'
'Crime, Horror, Mystery' 'Action, Adventure, Biography'
'Action, Family, Drama' 'Thriller, Mystery' 'Musical, Drama, Comedy'
'Documentary, Family' 'Action, Fantasy, Sci-Fi' 'Drama, Comedy, Action'
'Documentary, Sport' 'Adventure, History, Thriller'
'Documentary, Biography' 'Adventure, Horror, Romance'
'Mystery, Musical, Romance' 'Action, Adventure, Horror'
'Action, Crime, History' 'Sci-Fi, Thriller'
'Documentary, Family, History' 'Fantasy, Horror'
'Animation, Drama, Musical' 'Action, Crime, Fantasy'
'Comedy, Musical, Mystery' 'Romance, Musical, Action' 'Crime, Romance'
'Animation, Family, History' 'Romance, Musical, Comedy'
'Comedy, Drama, History' 'Action, Thriller, War'
'Animation, Drama, Adventure' 'Drama, Mystery, Sci-Fi'
'Crime, Horror, Romance' 'Fantasy, Horror, Romance'
'Comedy, Fantasy, Musical' 'Animation, Action, Drama'
'Crime, Musical, Thriller' 'Action, Comedy, War' 'Mystery, Sci-Fi'
'Horror, Romance, Sci-Fi' 'Romance, Musical, Drama'
'Documentary, Biography, Musical']
Ln 63, Col 23 Spaces: 4 UTF-8 CRLF Python 3.11.7 64-bit (Microsoft Store)
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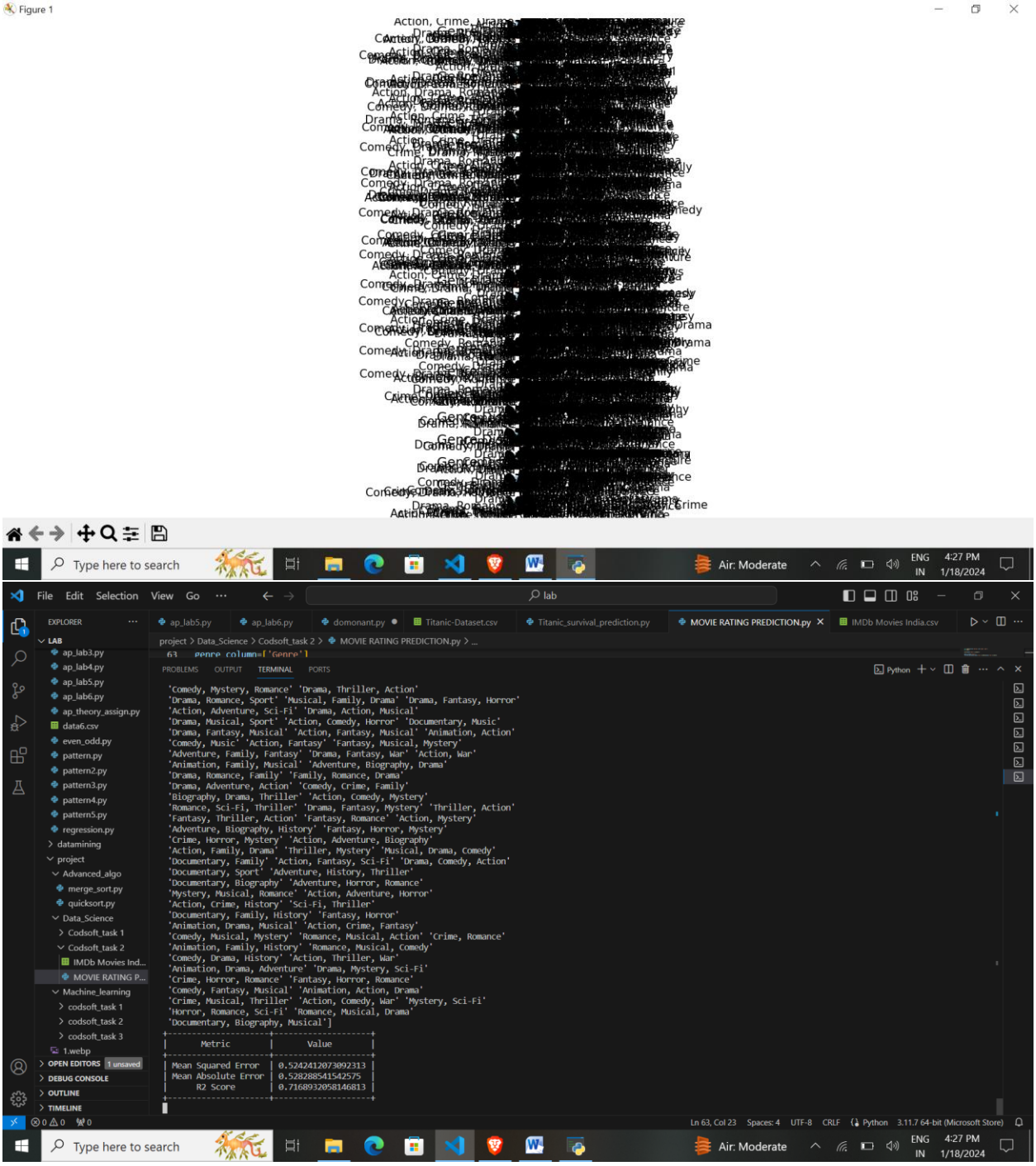
Figure 1
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lab
EXPLORER
LAB
ap_lab3.py
ap_lab4.py
ap_lab5.py
ap_lab6.py
ap_theory_assign.py
data6.csv
even_odd.py
pattern.py
pattern2.py
pattern3.py
pattern4.py
pattern5.py
regression.py
datamining
project
Advanced_algo
merge_sort.py
quicksort.py
Data_Science
Codsoft_task 1
Codsoft_task 2
IMDb Movies Ind...
MOVIE RATING P...
Machine_learning
codsoft_task 1
codsoft_task 2
codsoft_task 3
1.webp
OPEN EDITORS 1 unsaved
DEBUG CONSOLE
OUTLINE
TIMELINE
ap_lab5.py
ap_lab6.py
domonant.py
Titanic-Dataset.csv
Titanic_survival_prediction.py
MOVIE RATING PREDICTION.py
IMDb Movies India.csv
project > Data_Science > Codsoft_task 2 > MOVIE RATING PREDICTION.py > ...
63 genre column=['Genre']
PROBLEMS OUTPUT TERMINAL PORTS
Python
'Comedy, Mystery, Romance' 'Drama, Thriller, Action'
'Drama, Romance, Sport' 'Musical, Family, Drama' 'Drama, Fantasy, Horror'
'Action, Adventure, Sci-Fi' 'Drama, Action, Musical'
'Drama, Musical, Sport' 'Action, Comedy, Horror' 'Documentary, Music'
'Drama, Fantasy, Musical' 'Action, Fantasy, Musical' 'Animation, Action'
'Comedy, Music' 'Action, Fantasy' 'Fantasy, Musical, Mystery'
'Adventure, Family, Fantasy' 'Drama, Fantasy, War' 'Action, War'
'Animation, Family, Musical' 'Adventure, Biography, Drama'
'Drama, Romance, Family' 'Family, Romance, Drama'
'Drama, Adventure, Action' 'Comedy, Crime, Family'
'Biography, Drama, Thriller' 'Action, Comedy, Mystery'
'Romance, Sci-Fi, Thriller' 'Drama, Fantasy, Mystery' 'Thriller, Action'
'Fantasy, Thriller, Action' 'Fantasy, Romance' 'Action, Mystery'
'Adventure, Biography, History' 'Fantasy, Horror, Mystery'
'Crime, Horror, Mystery' 'Action, Adventure, Biography'
'Action, Family, Drama' 'Thriller, Mystery' 'Musical, Drama, Comedy'
'Documentary, Family' 'Action, Fantasy, Sci-Fi' 'Drama, Comedy, Action'
'Documentary, Sport' 'Adventure, History, Thriller'
'Documentary, Biography' 'Adventure, Horror, Romance'
'Mystery, Musical, Romance' 'Action, Adventure, Horror'
'Action, Crime, History' 'Sci-Fi, Thriller'
'Documentary, Family, History' 'Fantasy, Horror'
'Animation, Drama, Musical' 'Action, Crime, Fantasy'
'Comedy, Musical, Mystery' 'Romance, Musical, Action' 'Crime, Romance'
'Animation, Family, History' 'Romance, Musical, Comedy'
'Comedy, Drama, History' 'Action, Thriller, War'
'Animation, Drama, Adventure' 'Drama, Mystery, Sci-Fi'
'Crime, Horror, Romance' 'Fantasy, Horror, Romance'
'Comedy, Fantasy, Musical' 'Animation, Action, Drama'
'Crime, Musical, Thriller' 'Action, Comedy, War' 'Mystery, Sci-Fi'
'Horror, Romance, Sci-Fi' 'Romance, Musical, Drama'
'Documentary, Biography, Musical']
Metric	Value
Mean Squared Error	0.5242412073092313
Mean Absolute Error	0.528288541542575
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Ln 63, Col 23 Spaces: 4 UTF-8 CRLF Python 3.11.7 64-bit (Microsoft Store)

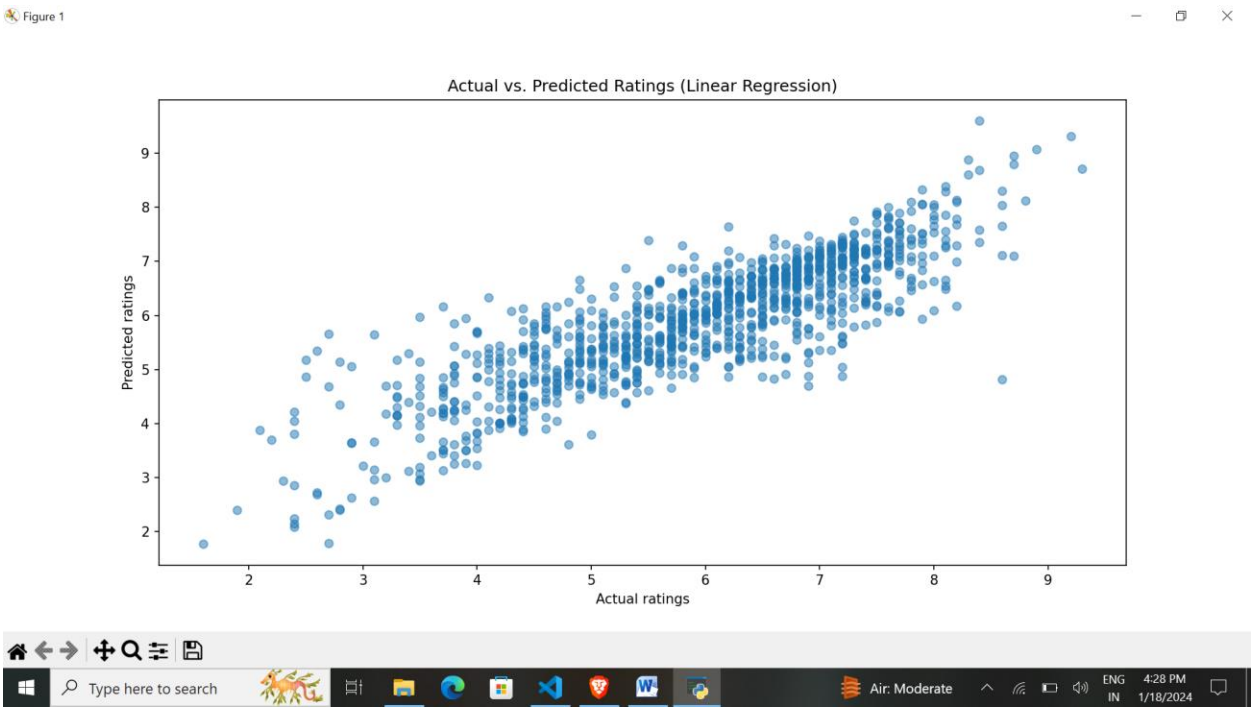
Figure 1
Actual vs. Predicted Ratings (Linear Regression)
Predicted ratings
Actual ratings
2
3
4
5
6
7
8
9
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1/18/2024