

Jawan Tech.Pakistan

#Data science course

#Assignment no.3

Data set Netflix_titles

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```
In [1]: # LOC, ILOC | GROUPBY
# JAWAN TECH.PK
# DATA SCIENCE COURSE ASSIGNMENT NO. ##__03
# NAME AHSAN JABBAR

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```

```
In [2]: import pandas as pd
import numpy as np
```

```
In [3]: data = pd.read_csv("netflix_titles.csv")
```

```
In [4]: data.head()
```

Out[4]:

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020	PG-13	90 min	Documentaries	As her father nears the end of his life, filmm...
1	s2	TV Show	Blood & Water	NaN	Ama Qamata, Khosi Ngema, Gail Mababane, Thaban...	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, TV Dramas, TV Mysteries	After crossing paths at a party, a Cape Town t...
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN	September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Act...	To protect his family from a powerful drug lor...
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	2021	TV-MA	1 Season	Docuseries, Reality TV	Feuds, flirtations and toilet talk go down amo...

```
In [13]: #Sir particular column ma value nahi a rahi
arr = data.loc[1, "cast"].split()
d = len(arr)
def set_cast (val):
    if val == d:
        return "nan"
    else :
        return "40"
```

```
In [14]: data["num_of_cast"] = data["cast"].apply(set_cast)
data
```

Out[14]:

	show_id	type	title	director	cast	country	date_added	release_year	rating	duration	listed_in	description	num_of_cast
0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	September 25, 2021	2020	PG-13	90 min	Documentaries	As her father nears the end of his life, filmm...	40
1	s2	TV Show	Blood & Water	NaN	Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...	South Africa	September 24, 2021	2021	TV-MA	2 Seasons	International TV Shows, TV Dramas, TV Mysteries	After crossing paths at a party, a Cape Town t...	40
2	s3	TV Show	Ganglands	Julien Leclercq	Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...	NaN	September 24, 2021	2021	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Act...	To protect his family from a powerful drug lor...	40
3	s4	TV Show	Jailbirds New Orleans	NaN	NaN	NaN	September 24, 2021	2021	TV-MA	1 Season	Docuseries, Reality TV	Feuds, flirtations and toilet talk go down amo...	40

More...

```
In [15]: data.groupby("type")["rating"].value_counts()
```

```
Out[15]: type      rating
Movie      TV-MA      2062
           TV-14      1427
           R          797
           TV-PG      540
           PG-13      490
           PG         287
           TV-Y7      139
           TV-Y       131
           TV-G       126
           NR         75
           G          41
           TV-Y7-FV    5
           NC-17       3
           UR         3
           66 min      1
           74 min      1
           84 min      1
TV Show    TV-MA      1145
           TV-14      733
           TV-PG      323
           TV-Y7      195
           TV-Y       176
           TV-G       94
           NR         5
           R          2
           TV-Y7-FV    1
Name: rating, dtype: int64
```