



# DATA ANALYST INTERNSHIP

NETFLIX MOVIES AND TV SHOWS

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## Raw Data:

netflix\_titles - Excel

FileHomeInsertPage LayoutFormulasDataReviewViewDeveloperHelpPower Pivot

PasteClipboard

Calibri11A<sup>+</sup>A<sup>-</sup>

BBIU

Font

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show\_id

|    | A       | B       | C                                   | D                         | E                             | F                 | G                 | H            | I         | J          | K  | L   | M | N | O | P | Q | R | S | T | U |
|----|---------|---------|-------------------------------------|---------------------------|-------------------------------|-------------------|-------------------|--------------|-----------|------------|--|---|---|---|---|---|---|---|---|---|---|
|    | show_id | type    | title                               | director                  | cast                          | country           | date_added        | release_year | rating    | duration   | listed_in  | description   |   |   |   |   |   |   |   |   |   |
| 1  | s1      | Movie   | Dick Johnson                        | Kirsten Johnson           |                               | United States     | September 1, 2020 | 2020         | PG-13     | 90 min     | Documentary  | As her father nears the end of his life, filmmaker Kirsten Johnson stages his death in inventive and comical ways.  |   |   |   |   |   |   |   |   |   |
| 2  | s2      | TV Show | Blood & Water                       |                           | Ama Qam                       | South Africa      | September 1, 2021 | 2021         | TV-MA     | 2 Seasons  | International  | After crossing paths at a party, a Cape Town teen sets out to prove whether a private-school swimmer is a murderer or if her friend was.                          |   |   |   |   |   |   |   |   |   |
| 3  | s3      | TV Show | Gangland                            | Julien Lec                | Sami Bouajila, Tracy          | France            | September 1, 2021 | 2021         | TV-MA     | 1 Season   | Crime TV   | To protect his family from a powerful drug lord, skilled thief Mehdi and his expert team of robbers are drawn into a high-stakes game of cat and mouse.           |   |   |   |   |   |   |   |   |   |
| 4  | s4      | TV Show | Jailbirds New Orleans               |                           |                               | United States     | September 1, 2021 | 2021         | TV-MA     | 1 Season   | Docuseries   | Feuds, flirtations and toilet talk go down among the incarcerated women at the Orleans Justice Center in New Orleans.   |   |   |   |   |   |   |   |   |   |
| 5  | s5      | TV Show | Kota Factory                        |                           | Mayur Mohan                   | India             | September 1, 2021 | 2021         | TV-MA     | 2 Seasons  | International  | In a city of coaching centers known to train India's finest collegiate minds, an earnest but unexceptional student is thrown into a world of intense competition. |   |   |   |   |   |   |   |   |   |
| 6  | s6      | TV Show | Midnight                            | (Mike Flan)               | Kate Siegel, Zach Gilford     | United States     | September 1, 2021 | 2021         | TV-MA     | 1 Season   | TV Drama   | The arrival of a charismatic young priest brings glorious miracles, ominous mysteries and renewed hope to a small town.   |   |   |   |   |   |   |   |   |   |
| 7  | s7      | Movie   | My Little Pony: A New Generation    | Robert Cullen             | Vanessa Hudgens, Kiara Glasco | United States     | September 1, 2021 | 2021         | PG        | 91 min     | Children & Family  | Equestria's divided. But a bright-eyed hero believes Earth Ponies, Pegasi and Unicorns should be part of one united world.  |   |   |   |   |   |   |   |   |   |
| 8  | s8      | Movie   | Sankofa                             | Haile Geri                | Kofi Ghanai                   | United States     | September 1, 1993 | 1993         | TV-MA     | 125 min    | Drama  | On a photo shoot in Ghana, an American model slips back in time, becomes enslaved on a plantation and fights for her freedom.                                     |   |   |   |   |   |   |   |   |   |
| 9  | s9      | TV Show | The Great British Bake Off          | Andy Devine, Mel Giedroyc | United Kingdom                | September 1, 2021 | 2021              | TV-14        | 9 Seasons | British TV | A talented batch of amateur bakers face off in a 10-week competition, whipping up their best dishes and rivalries. |   |   |   |   |   |   |   |   |   |   |
| 10 | s10     | Movie   | The Starling                        | Theodore Melissa          | United States                 | September 1, 2021 | 2021              | PG-13        | 104 min   | Comedies   | A woman adjusting to life after a loss contends with a feisty bird that's taken over her garden and her life.      |   |   |   |   |   |   |   |   |   |   |
| 11 | s11     | TV Show | Vendetta: Truth, Lies and The Mafia |                           |                               | Italy             | September 1, 2021 | 2021         | TV-MA     | 1 Season   | Crime TV   | Sicily boasts a bold "Anti-Mafia" coalition. But what happens when those trying to bring down organized crime turn on each other?                                 |   |   |   |   |   |   |   |   |   |
| 12 | s12     | TV Show | Crime Stories: India Detectives     |                           |                               | India             | September 1, 2021 | 2021         | TV-MA     | 1 Season   | Crime TV   | Struggling to earn a living in Bangkok, a man joins an emergency rescue service and realizes he must save lives to make a name for himself.                       |   |   |   |   |   |   |   |   |   |
| 13 | s13     | Movie   | Je Suis Kai                         | Christian Schwochow       | Luna Wedderburn               | Germany           | September 1, 2021 | 2021         | TV-MA     | 127 min    | Drama  | After most of her family is murdered in a terrorist bombing, a young woman is unknowingly lured into a deadly game.   |   |   |   |   |   |   |   |   |   |
| 14 | s14     | Movie   | Confessio                           | Bruno Garcia              | Klara Castanho, Lucca Pimenta | Brazil            | September 1, 2021 | 2021         | TV-PG     | 91 min     | Children & Family  | When the clever but socially-awkward Tetê joins a new school, she'll do anything to fit in. But the school's secrets are anything but ordinary.                   |   |   |   |   |   |   |   |   |   |
| 15 | s15     | TV Show | Crime Stories: India Detectives     |                           |                               | India             | September 1, 2021 | 2021         | TV-MA     | 1 Season   | Crime TV   | Cameras following Bengaluru police on the job offer a rare glimpse into the complex and challenging world of law enforcement.                                     |   |   |   |   |   |   |   |   |   |
| 16 | s16     | TV Show | Dear White People                   |                           | Logan Browder                 | United States     | September 1, 2021 | 2021         | TV-MA     | 4 Seasons  | TV Comedy  | Students of color navigate the daily slights and slippery politics of life at an Ivy League college that's full of secrets.                                       |   |   |   |   |   |   |   |   |   |
| 17 | s17     | Movie   | Europe's End                        | Pedro de Alcázar          | García, Pablo                 | Spain             | September 1, 2020 | 2020         | TV-MA     | 67 min     | Documentary  | Declassified documents reveal the post-WWII life of Otto Skorzeny, a close Hitler ally who escaped justice.   |   |   |   |   |   |   |   |   |   |
| 18 | s18     | TV Show | Falsa identidad                     |                           | Luis Ernes                    | Mexico            | September 1, 2020 | 2020         | TV-MA     | 2 Seasons  | Crime TV   | Strangers Diego and Isabel flee their home in Mexico and pretend to be a married couple to escape a dangerous past.   |   |   |   |   |   |   |   |   |   |
| 19 | s19     | Movie   | Intrusion                           | Adam Salkov               | Freida Pinto, Logan Browder   | United States     | September 1, 2021 | 2021         | TV-14     | 94 min     | Thrillers  | After a deadly home invasion at a couple's new dream house, the traumatized wife searches for answers.  |   |   |   |   |   |   |   |   |   |
| 20 | s20     | TV Show | Blaze                               | Suárez                    | Juárez                        | Mexico            | September 1, 2021 | 2021         | TV-MA     | 1 Season   | International  | In the 1960s, a Holocaust survivor joins a group of self-trained spies who seek justice against Nazis.  |   |   |   |   |   |   |   |   |   |

Ready

## Variables:

1. show\_id: Identify the id name of particular movie/tv show
2. type: Is it Movie or TV show
3. title: Title of movie/tv show
4. director: Name of Director
5. cast: who are part of acting
6. country: Release in which countries
7. date\_added: date of streaming
8. release\_year: release year of that movie/tv show
9. rating: Likewise of that show
10. duration: duration of show in mins/seasons
11. listed\_in: category of the TV show/Movie
12. description: short summary

## Data Cleaning:

Tool: Excel and Power Query

## Brief Description:

- Check Null Values using filters

## Findings

director: 2,634

cast: 825

country: 831 → Filled with title-cased placeholder 'Nan' (as string)

date\_added: 10

rating: 4

duration: 3

Replace by Director, Cast, Country by “Unknown”

And date\_added by 01/01/2020 as per release year

- Checking Duplicate Value

## No Duplicate Values

- Convert Date-time in dd/mm/yyyy format using change type of power query

- Standardize the string element by proper type casting
- Uniform the Headers

Bold and standardize with first Letter Uppercase and rest of Lower case and space by “\_”

## Cleaned dataset View:

| Show_id | Type    | Title   | Director  |
|---------|---------|---|---|
| s1      | Movie   | Dick Johnson Is Dead                                | Kirsten Johnson                                 |
| s2      | TV Show | Blood & Water                                       | NONE  |
| s3      | TV Show | Ganglands   | Julien Leclercq                                 |
| s4      | TV Show | Jalbirds New Orleans                                | NONE  |
| s5      | TV Show | Kota Factory  | NONE  |
| s6      | TV Show | Midnight Mass                                       | Mike Flanagan                                   |
| s7      | Movie   | My Little Pony: A New Generation                    | Robert Cullen, JosÃ© Luis Ucha                  |
| s8      | Movie   | Sankofa   | Halle Gerima                                    |
| s9      | TV Show | The Great British Baking Show                       | Andy Devonshire                                 |
| s10     | Movie   | The Starling  | Theodore Melfi                                  |
| s11     | TV Show | Vendetta: Truth, Lies and The Mafia                 | NONE  |
| s12     | TV Show | Bangkok Breaking                                    | Kongkiat Komekriti                              |
| s13     | Movie   | Je Suis Karl  | Christian Schwachow                             |
| s14     | Movie   | Confessions of an Invisible Girl                    | Bruno Garotti                                   |
| s15     | TV Show | Crime Stories: India Detectives                     | NONE  |
| s16     | TV Show | Dear White People                                   | NONE  |
| s17     | Movie   | Europe's Most Dangerous Man: Otto Skorzeny in Spain | Pedro de Echave GarcÃ¡a, Pablo AzorÃ¡n Williams |
| s18     | TV Show | Falsa identidad                                     | NONE  |
| s19     | Movie   | Intrusion   | Adam Salky                                      |
| s20     | TV Show | Jaguar  | NONE  |
| s21     | TV Show | Monsters Inside: The 24 Faces of Billy Milligan     | Olivier Megaton                                 |
| s22     | TV Show | Resurrection: Erugrul                               | NONE  |
| s23     | Movie   | Avvai Shanmughi                                     | K. S. Ravikumar                                 |
| s24     | Movie   | Got Got Cory Carson: Chrissy Takes the Wheel        | Alex Woo, Stanley Moore                         |
| s25     | Movie   | Jeani   | S. Shankar                                      |
| s26     | TV Show | Love on the Spectrum                                | NONE  |
| s27     | Movie   | Minzara Kanavu                                      | Rajiv Menon                                     |
| s28     | Movie   | Grown Ups   | Dennis Dugan                                    |
| s29     | Movie   | Dark Skies  | Scott Stewart                                   |

