



'My' wonderful time with **Netflix** (2018-2023)

Team 0 | Lin Yueyi 1961779 | Wei Yiyi 1873027



Start



I CONTENTS

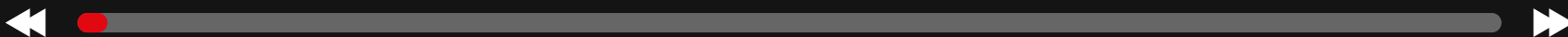
01 ABOUT 'ME'

My Time with Netflix (from 2018-2023)

02 DATA WORK

Data Analysis Behind the Story

03 DATA VISUALIZATION



[Home](#)

[About 'me'](#)

[Data work](#)

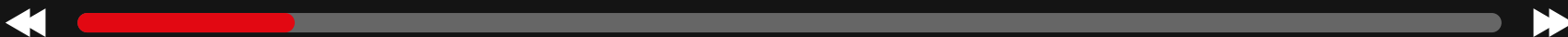
[Data visualization](#)



01

ABOUT 'ME'

My Time with Netflix (2018-2023)





ABOUT 'ME'

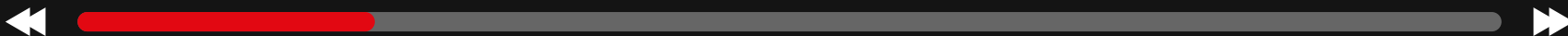
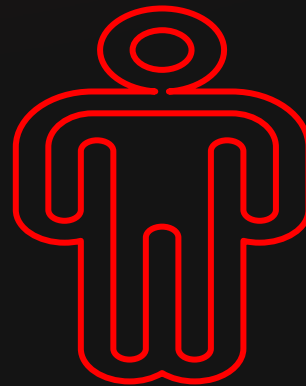
My Time with Netflix (2018-2023)

I've watched **4704** TV shows, **569** movies

I've spent **1864.11** Hours

Longest spent **02:49:04**

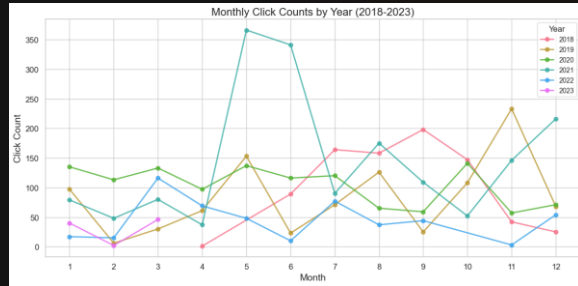
Maturity Rating: **16 +**





Year Level

Period

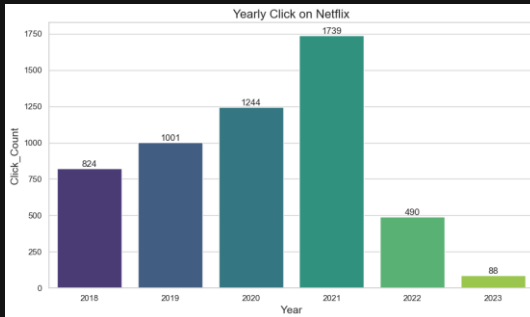


Fluctuate Monthly Trend

Always Low in Feb. Apr.

Netflix fervor increase 2018-2021

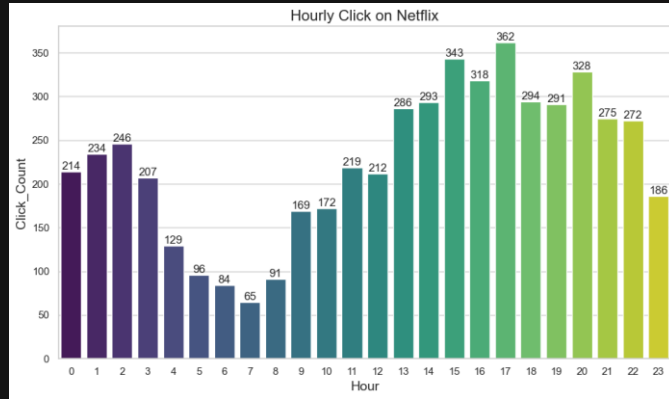
Netflix fervor declines 2022-2023





Day Level

Period



**Usually Open Netflix at
afternoon & night**

Midnight belongs to Anime



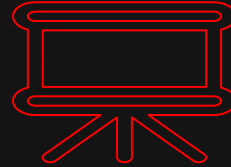


Device

From 2018-2023,
I spent time with Netflix by **20+** devices...

**Google Chromecast
V3 Streaming Stick**

1363 times used (most)



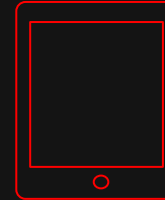
Apple iPhone 11

Utilized throughout the
2020-2022



**Android
DefaultWidvineL3Tablet
Android Tablet**

Utilized throughout the
2018-2020





Track

From 2018-2023,
I spent time with Netflix in **4** countries...

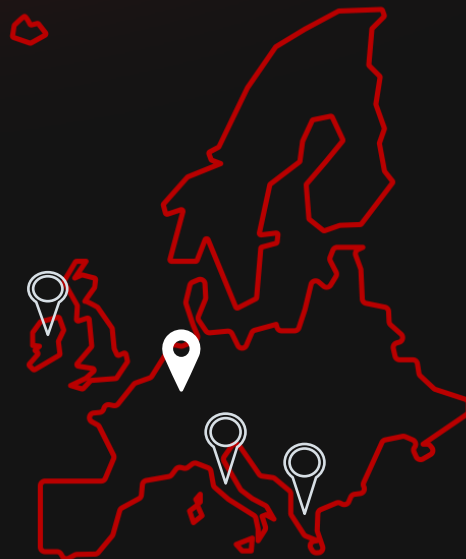
I've appeared in

Ireland 7 times during 2018.09-2018.11

Germany 1315 days from 2019 to 2023

Italy 2 times

Greece 1 times at the end of Aug. in 2019





Type

30.4%

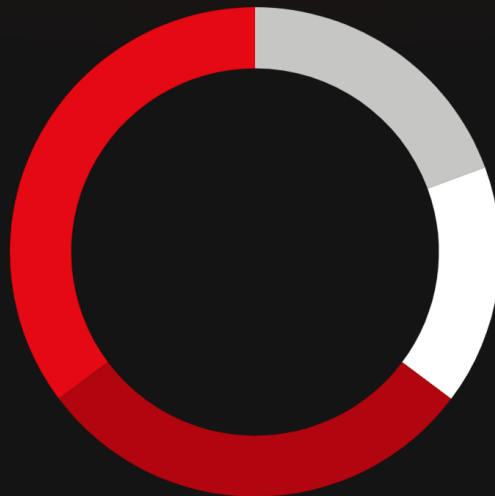
Drama

Android
DefaultWidevineL3Ta
blet Android Tablet

27.2%

Anime

Google Chromecast
V3 Streaming Stick



Comedy

Android
DefaultWidevineL3Ta
blet Android Tablet

13.9%

Action

Android
DefaultWidevineL3Ta
blet Android Tablet

7.1%



Home

About 'me'

Data work

Appendix



What is My Favorite?





135 h

Midnight

2018. 06-2021. 06

Google Chromecast V3
Streaming Stick

| Favorite Shows



Afternoon

Android DefaultWidevineL3Tablet
Android Tablet

2020. 01-2022. 07

135 h

| Favorite Shows

THE
BLACKLIST



Night

Android DefaultWidevineL3Tablet
Android Tablet

Rewatched 5 times

2018.08-2019.02

| **Favorite Movie**

N FILM

*To All the Boys
I've Loved Before*

[Home](#)

[About 'me'](#)

[Data work](#)

[Data visualization](#)



DATA WORK 02

Data Analysis Behind the Story





I WORK PROCESS

Data Crawling

To merge a better
own dataset



Data Preprocessing

Data Cleaning
Feature Selection
Data Integration
Data Formatting



Insights Analysis



| Data Crawling

■ Issues

■ Solutions

**Data
Crawl**

No Netflix Account

Scrape Netflix
official data
from google
search result

Case :

Staffel 1 (Trailer):
Instant Dream Home

Instant Dream Home

Missing keywords-title
conflict

Use a regex to
extract the valid
title(as keywords)
from the sample
data's title

Missing data from
google search
results

**Netflix
Dataset**

Find more info on
another site

Data missing from
Netflix pages due
to lost page

**Manual
supplemental
data**

The Kaggle dataset
lacks accurate title
names in the user
dataset

**Data
Preview**

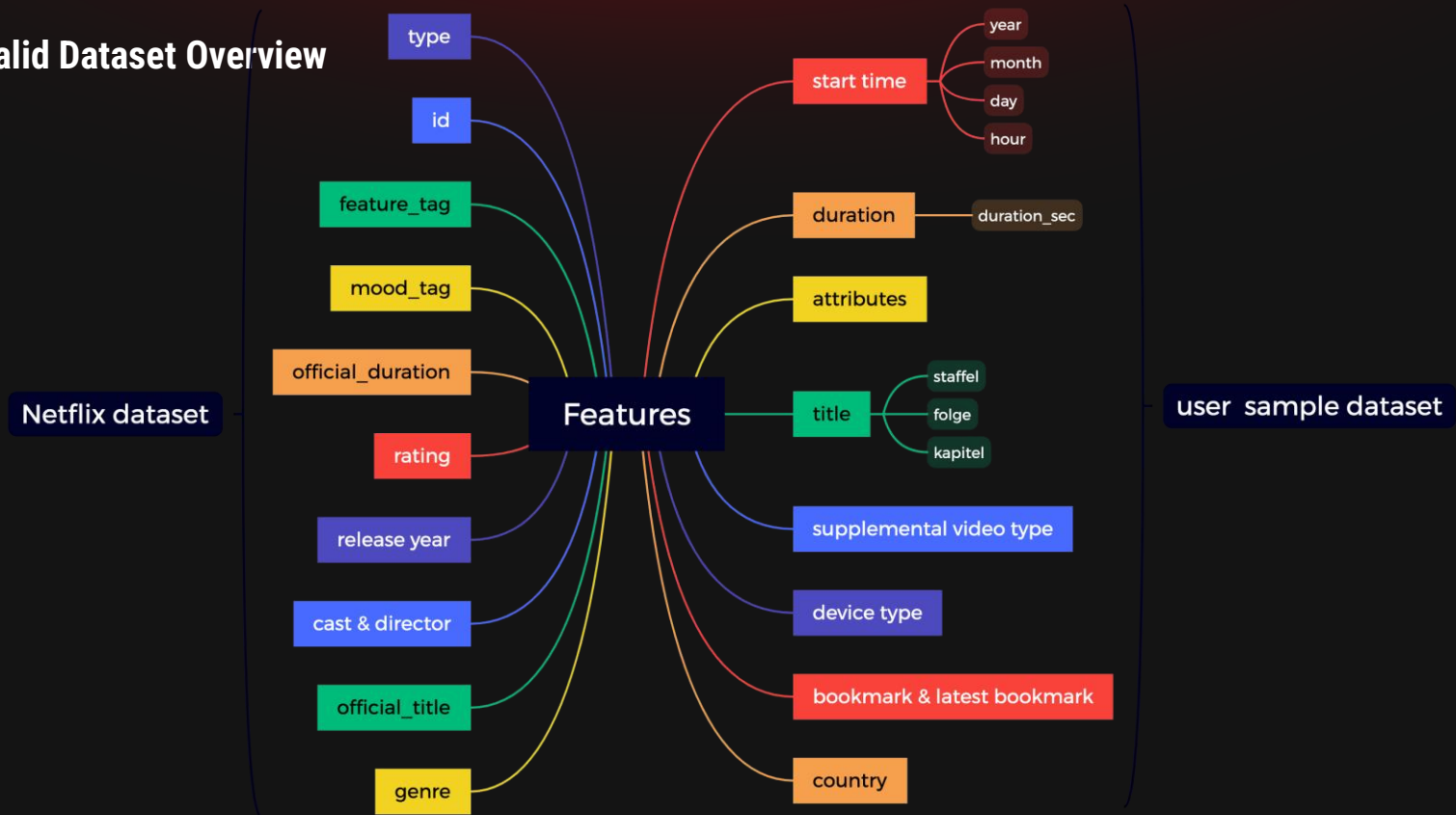




| Data Preprocessing

Step	Todo	Method	Condition
Data Cleaning	Handel missing Value	Drop	No valid info ; Duration $\leq 3s$
	Detect Outliers	Keep	Representative of Real-world Scenarios; Insight Generation: Preservation of Information
Feature Selection	Feature detection	Keep valid feature	Netflix Data Dictionary
Data Integration	Merged: Netflix Dataset & User Sample Dataset	Get final valid dataset	-
Data Formatting	Date & Duration	Transfer to standard format	-

Final Valid Dataset Overview





| Insights Analysis

1st

2nd

3rd

4th

Exercise

Do the basic
content-based
analysis

Pre-Insights

Deep dive for each
feature to get the
initial insights

Insights

To mine better
insights in
multidimensional

Result

High-level
&
Low-level

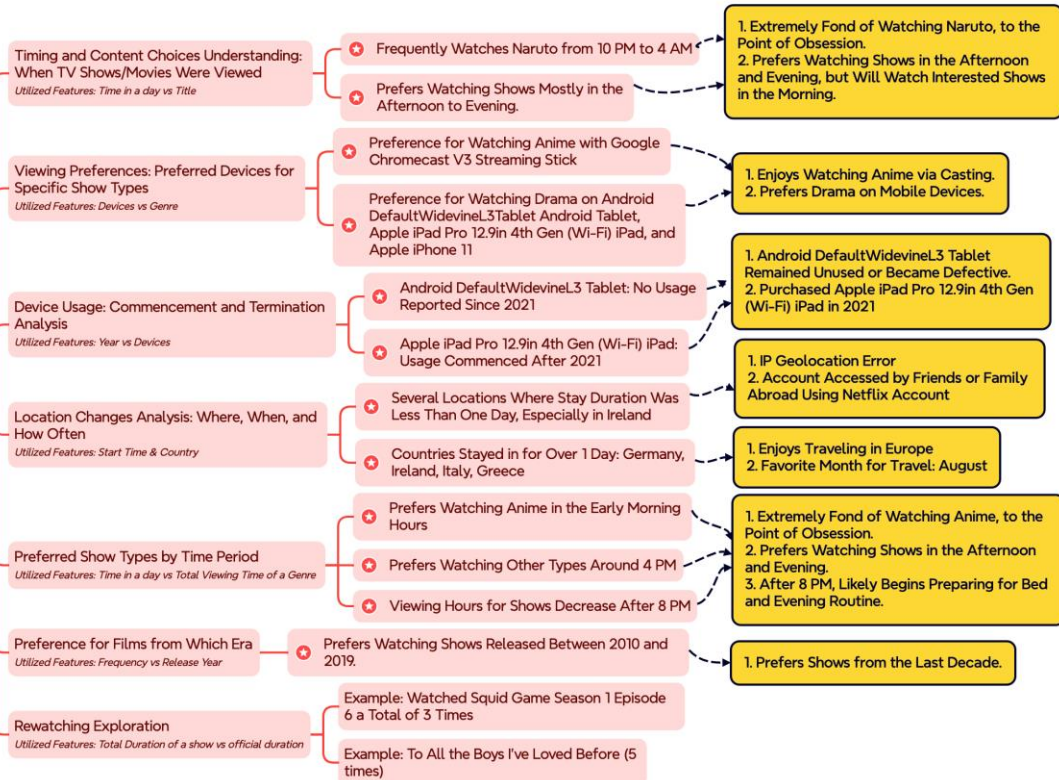


Insights Flow



Insight

8. Insights about Relationship Among Multiple Attributes





| Weaknesses & Prospects

Limited data access

our access only to a subset of Netflix user data, limiting the depth and breadth of my analysis (No account on Netflix);

Lack of context → Expand knowledge

Without a comprehensive understanding of Netflix features, our insights may be less nuanced;

Data quality issues → Improve data quality

Incomplete or inaccurate dataset could have skewed our analysis results



[Home](#)

[About 'me'](#)

[Data work](#)

[Data visualization](#)




03


DATA VISUALIZATION



TV show & Movie Top 5

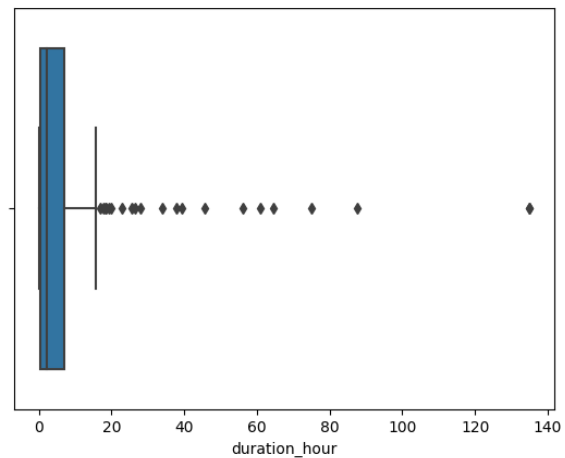
 TV SHOW RANK Title - Viewing time	
① The Blacklist	135.06h
② Naruto	135.05h
③ Orange Is the New Black	87.74h
④ Prison Break	75.10h
⑤ Money Heist	64.66h

Presented with xmind

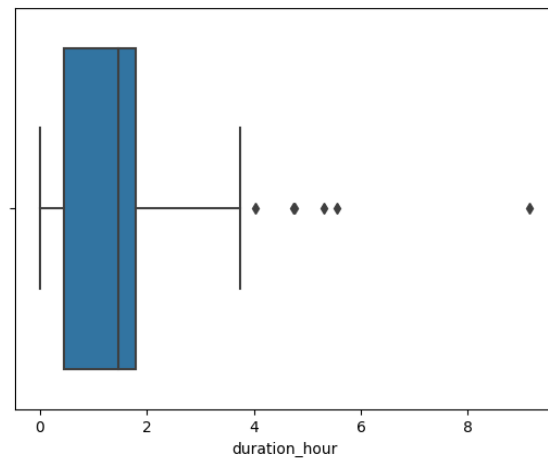
 MOVIE RANK Title - Viewing time - Rewatch Times		
① To All the Boys I've Loved Before	9.16h	5.49 times
② Interstellar	5.56h	1.97 times
③ The Kissing Booth	5.31h	3.01 times
④ Shooter	4.76h	1.76times
⑤ Shooter	4.75h	2.29times

Presented with xmind

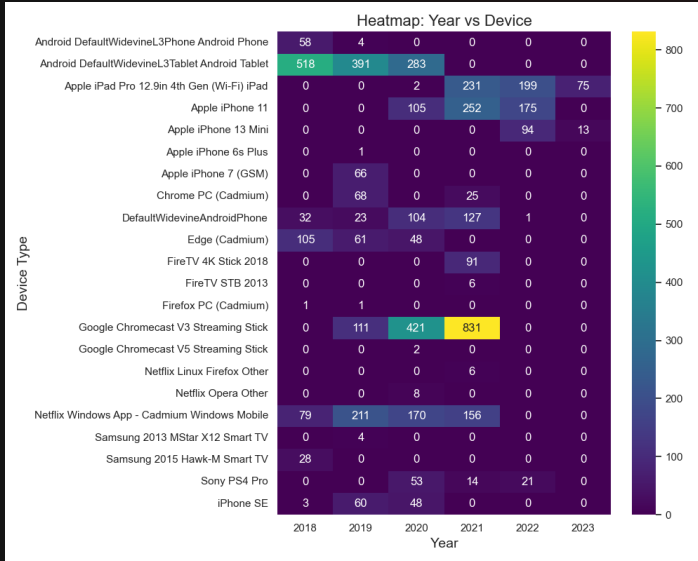
Detection Outlier- TV show-Boxplot



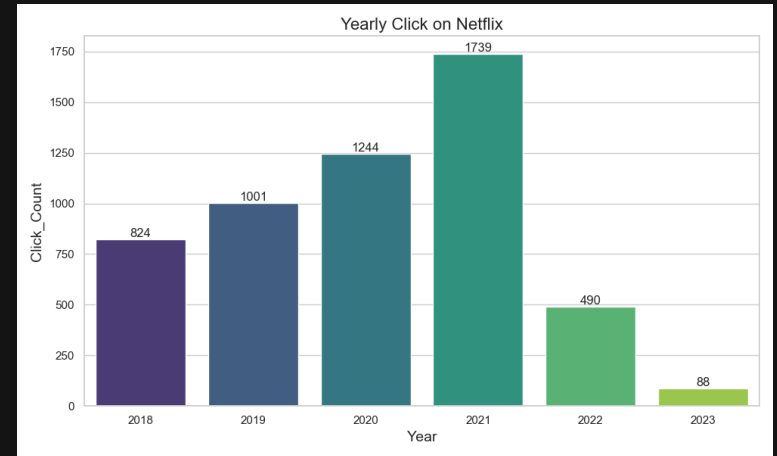
Detection Outlier- Movie-Boxplot



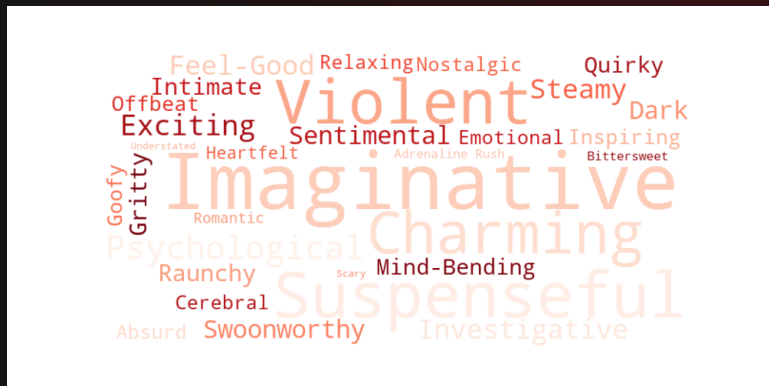
Heatmap: Year vs Device



Yearly Click on Netflix



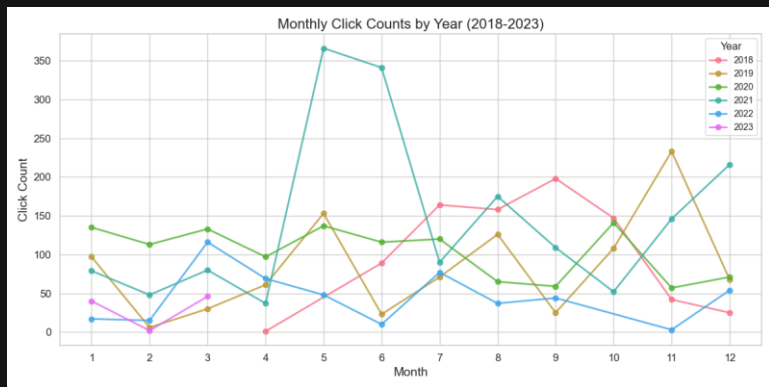
Mood show



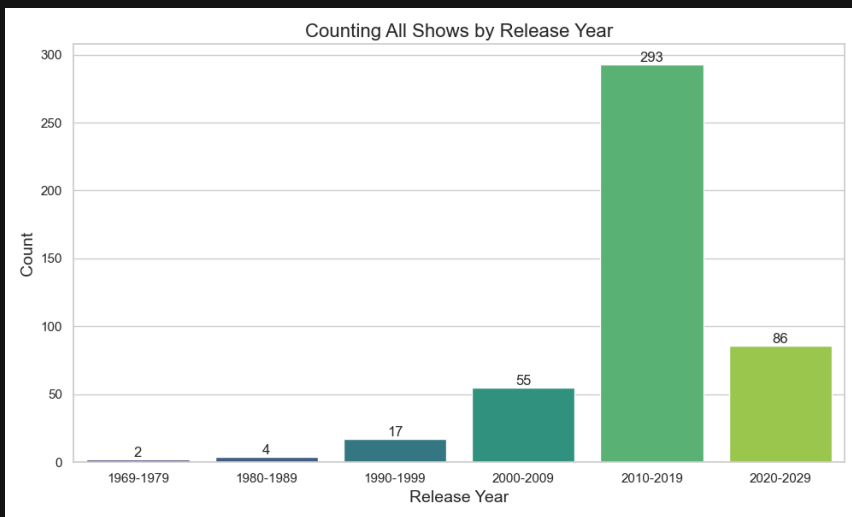
Travel Info

Out[30]:	country	from	to	stay_duration
0	DE (Germany)	2018-04-10 13:35:28	2018-09-08 21:20:28	151 days 07:45:00
1	IE (Ireland)	2018-09-08 21:20:28	2018-09-08 21:33:54	0 days 00:13:26
2	DE (Germany)	2018-09-08 21:33:54	2018-09-09 12:51:37	0 days 15:17:43
3	IE (Ireland)	2018-09-09 12:51:37	2018-09-09 13:21:47	0 days 00:30:10
4	DE (Germany)	2018-09-09 13:21:47	2018-09-27 13:43:14	18 days 00:21:27
5	IE (Ireland)	2018-09-27 13:43:14	2018-09-27 14:08:01	0 days 00:24:47
6	DE (Germany)	2018-09-27 14:08:01	2018-10-26 14:09:50	29 days 00:01:49
7	IE (Ireland)	2018-10-26 14:09:50	2018-10-28 16:14:49	2 days 02:04:59
8	DE (Germany)	2018-10-28 16:14:49	2018-10-31 14:12:15	2 days 21:57:26
9	IE (Ireland)	2018-10-31 14:12:15	2018-10-31 19:16:43	0 days 05:04:28
10	DE (Germany)	2018-10-31 19:16:43	2018-11-01 09:20:15	0 days 14:03:32
11	IE (Ireland)	2018-11-01 09:20:15	2018-11-04 05:53:40	2 days 20:33:25
12	DE (Germany)	2018-11-04 05:53:40	2018-11-08 15:51:41	4 days 09:58:01
13	IE (Ireland)	2018-11-08 15:51:41	2018-11-15 19:03:01	7 days 03:11:20
14	DE (Germany)	2018-11-15 19:03:01	2019-08-02 10:15:25	259 days 15:12:24
15	IT (Italy)	2019-08-02 10:15:25	2019-08-04 11:10:45	2 days 00:55:20
16	DE (Germany)	2019-08-04 11:10:45	2019-08-04 13:58:35	0 days 02:47:50
17	IT (Italy)	2019-08-04 13:58:35	2019-08-06 18:17:50	2 days 04:19:15
18	DE (Germany)	2019-08-06 18:17:50	2019-08-21 08:18:24	14 days 14:00:34
19	GR (Greece)	2019-08-21 08:18:24	2019-08-22 11:42:36	1 days 03:24:12
20	DE (Germany)	2019-08-22 11:42:36	2023-03-29 12:00:13	1315 days 00:17:37

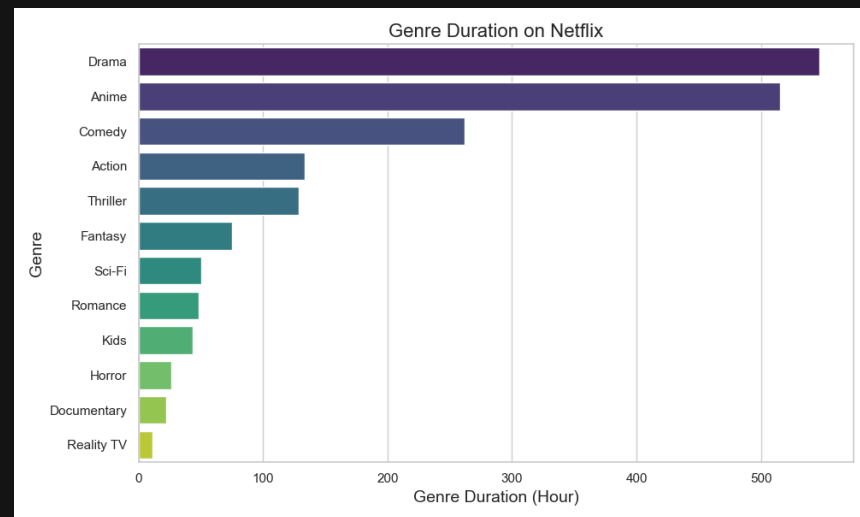
Monthly Click Counts by Year (2018-2023)



Counting All Shows by Release Year



Genre Duration on Netflix





THANKS!

Happy to Questions 😊

CREDITS: This presentation template was created by Slidesgo, and includes icons by Flaticon and infographics & images by Freepik

