

My TV Viewing Habits

I set out to create a dashboard focusing on an area close to my heart, TV shows, and I wanted to see if there are any patterns that I can identify in my viewing habits, as well as create KPIs to track how much time I'm wasting in front of the TV.

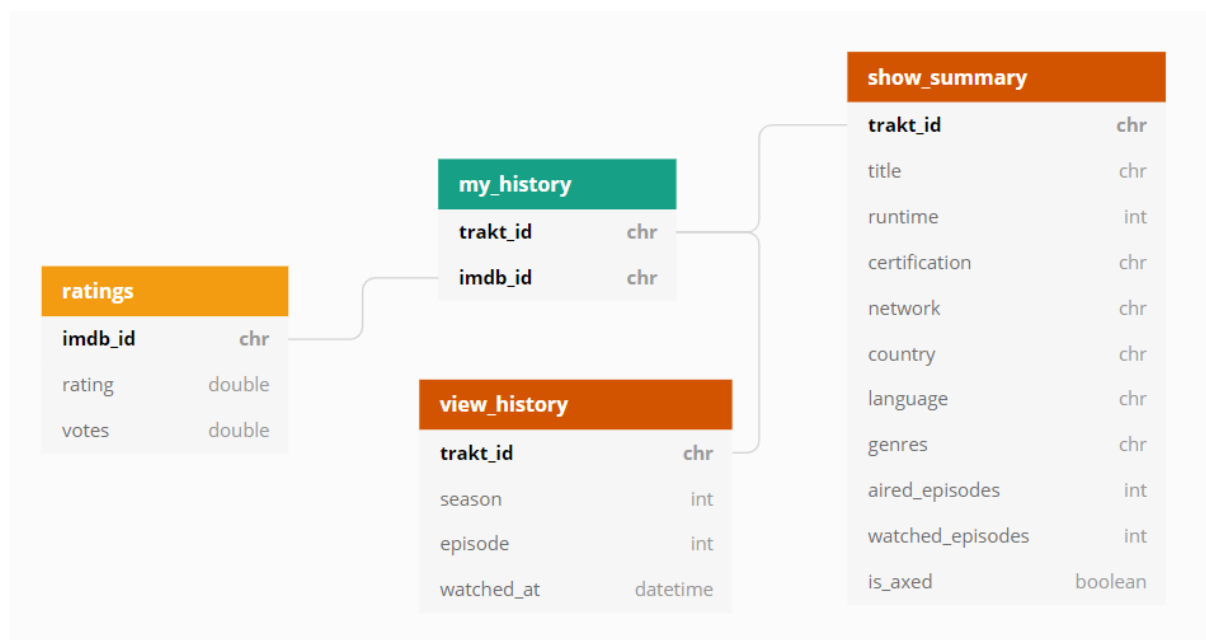
Data Sources and Transformations

I used two separate datasets to create the underlying data that would feed the Tableau dashboard:

- Data extracts via the [tRakt](#) R package from [trakt.tv](#), which is a website that allows you to track the TV shows/movies that you've watched. I focused on TV shows, and I was able to pull my personal watch history, as well as supporting information (dimensions) about the TV shows.
- And the open source title.ratings.tsv.gz dataset from [IMDb](#) (downloaded on 11/01/2019), containing ratings and number of votes per TV show.

Data pull and wrangling was performed via an [R script](#).

Data Model



**A TV show is considered axed from my perspective if I haven't watched all episodes of the show, and I haven't watched any new episodes in the past 2 years.*

Business Questions and Analysis Goals

I wanted to see KPIs about how my viewing habits change over certain periods.

- Do I watch more shows this year than I did last year?
- How much time did I waste in the past periods?
- What is the distribution of the shows I watch between different genres, networks, languages, etc.?
- What shows am I behind with, and by how many episodes?

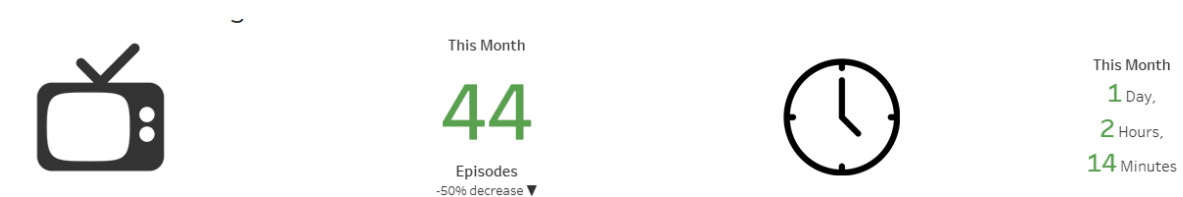
I also had the feeling that I started to watch more Netflix shows recently, so I wanted to know whether my focus has shifted towards Netflix?

And then I looked at IMDb ratings to see if quality is a factor in what I watch?

The goal of the analysis was to provide me with an overview about my viewing habits and to see if I'm able to identify any trends in my viewing behavior.

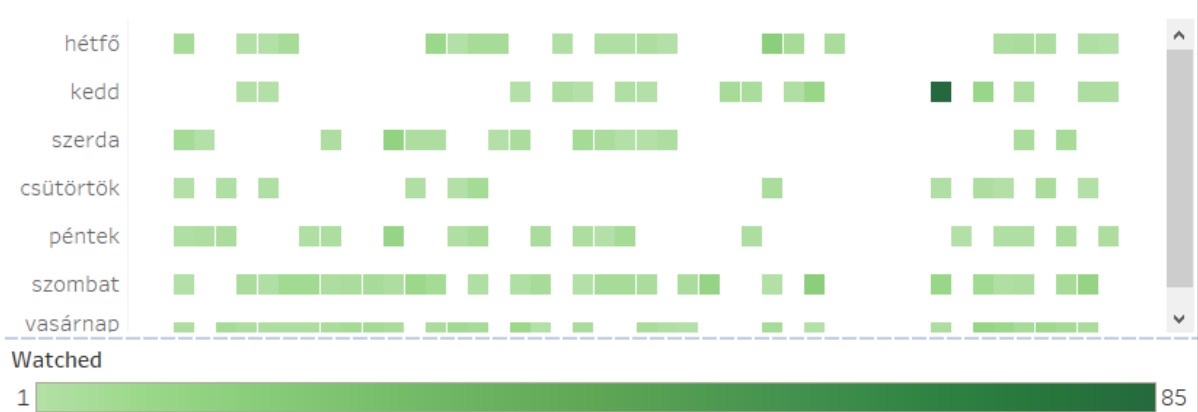
Visualizations

Summary



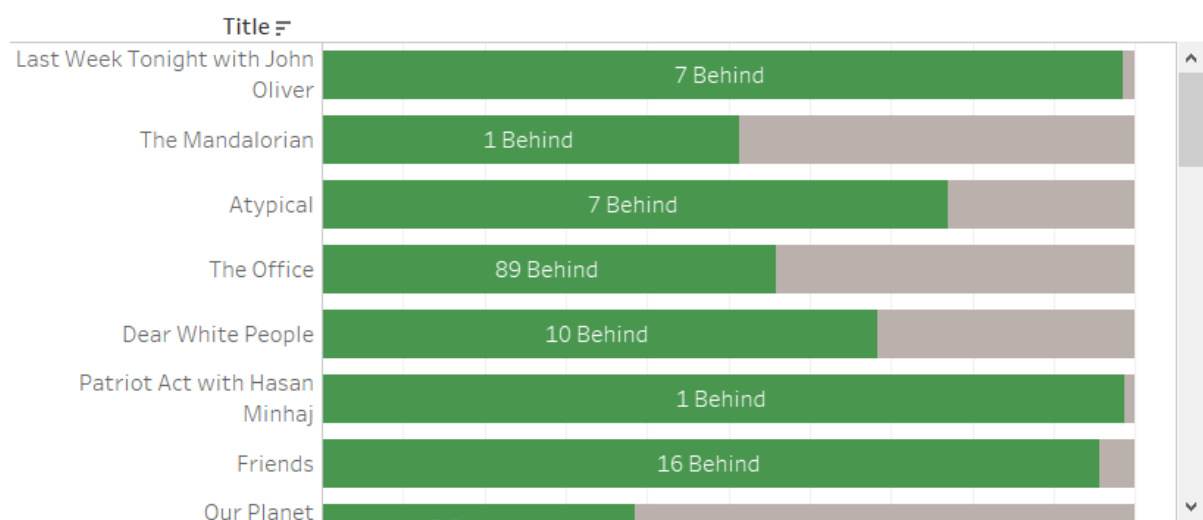
These KPIs show how many episodes I've watched in this case last month (possible to change with "Comparison" to month or year), and whether that's an increase or a decrease compared to the last period. The time factor shows how much time I've wasted by watching that number of episodes.

Heatmap of # of Episodes Watched in 2019

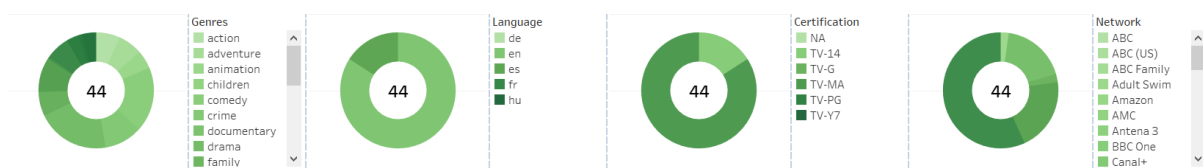


This heatmap shows a distribution of on which days I watched the most shows this year. The analysis is somewhat skewed by the fact that I was abroad between August 16th and September 15th, and I've only tagged the episodes I watched when I got back home.

Up Next to Watch



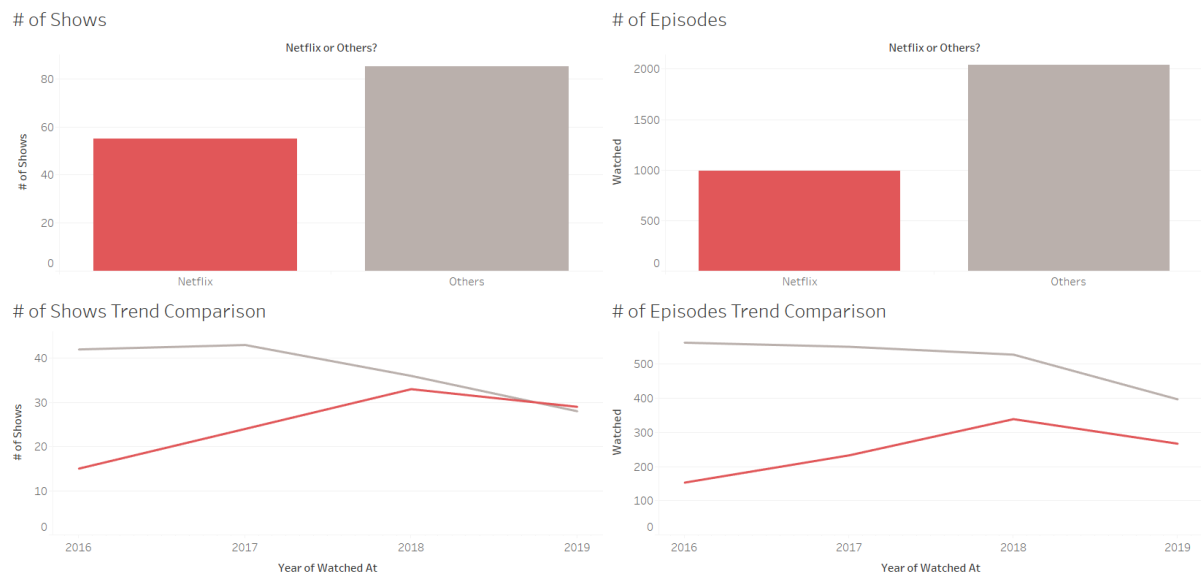
"Up Next to Watch" shows what show I should watch based on what I've seen last, and what are the ones I'm behind with.



Donut charts about distribution of genres, languages, certifications and networks for the episodes I've watched in the last period.

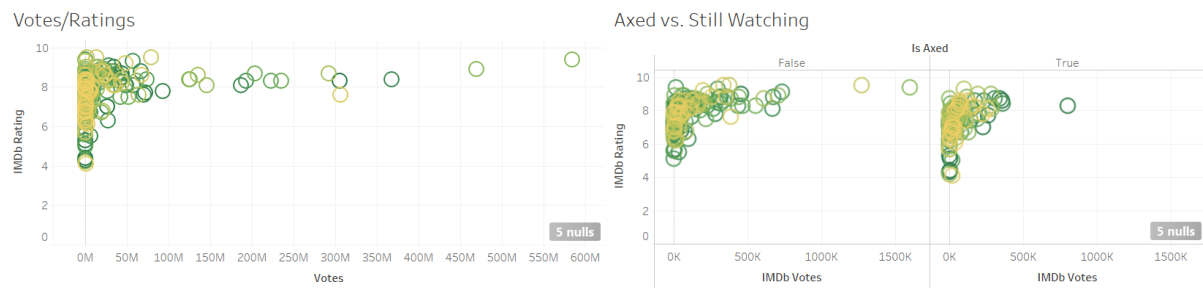
The charts all interact with each other, and you can filter on networks and TV shows.

Netflix



The Netflix tab shows how many Netflix shows and episodes I've watched compared to other networks. While that number is considerably smaller over the past 4 years, the “# of Shows Trend Comparison” shows that just this year, the number of shows I've watched on Netflix surpassed the number of shows I've watched from other providers, which is an interesting phenomenon. Quantity-wise, I still watch more episodes from other shows, but Netflix is quickly catching up.

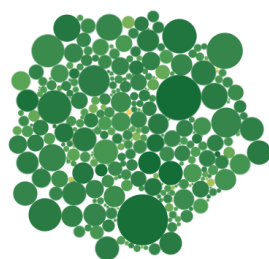
IMDb



I also compared IMDb Rating and Number of Votes for the shows I'm watching, and there are some outliers, such as Game of Thrones, Friends and the Walking Dead, who received lots of votes and a high rating as well.

I separated these shows into two buckets, shows I'm still watching, and axed shows, that I stopped watching, and there doesn't seem to be a huge difference between the two categories, so just because something receives a worse rating on IMDb, that doesn't mean that I would stop watching it and vice versa.

Best Rated Shows



Details

Title	IMDb Ra..	IMDb Vo..	Is Axed	
Band of Brothers	9,5	335 672	False	100%
Breaking Bad	9,5	1 274 192	False	100%
Chernobyl	9,5	376 603	False	100%
Game of Thrones	9,4	1 600 801	False	100%
Our Planet	9,4	18 440	False	100%
Cosmos	9,3	100 441	True	100%

I also looked at the best rated shows on IMDb, whether I've watched all of them and how many episodes am I behind, if not. This tab reminded me that I should continue watching Cosmos and Our Planet, and of how great Band of Brothers and Breaking Bad were.