

Process Book

Naruto Shippuden Anime Data Visualization

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Overview and Motivation

We wanted to create a visualization on something we all enjoyed, so we chose anime. Our visualization shows the number of filler-episodes¹ in each arc of Naruto Shippuden. The motivation for this was that when researching visualization inspiration most sites only had raw data. When sites did have visualizations, it was mostly comparing one anime to another or visualizations of different genres of tv shows. We saw no site that showed a visualization for the number of filler episodes in each arc of a show, so we created one.

Questions

- The question we solved
 - How many filler episodes are in each arc of Naruto Shippuden?
- New questions that came along the way
 - How will the visualization look?
 - How do we create the dataset for the csv file?

Data Source

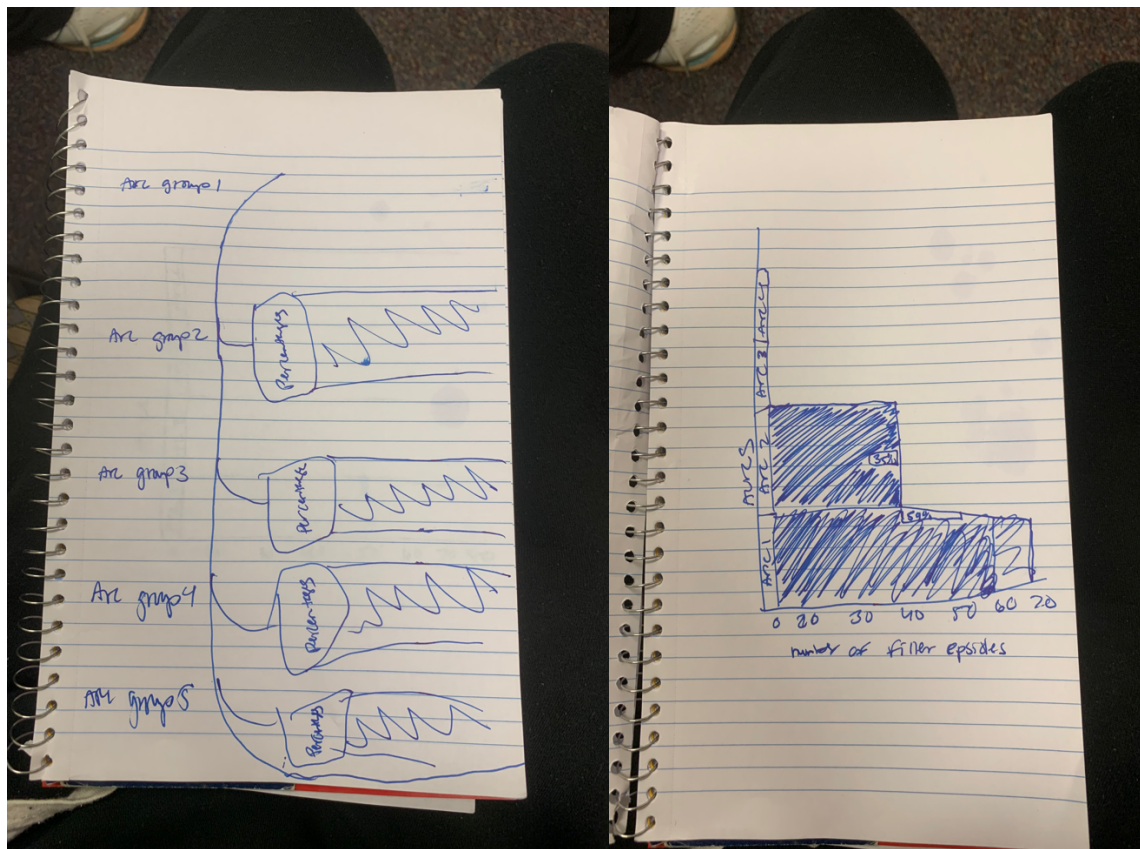
- Episodes of each arc²
 - <https://www.cbr.com/every-naruto-story-arc-chronological-order/>
- Filler episodes
 - <https://fictionhorizon.com/naruto-naruto-shippuden-filler-list-the-complete-guide/#:~:text=Naruto%20and%20Naruto%3A%20Shippuden%20have%20a%20total%20of%20720%20episodes,the%20topic%20of%20this%20article>
 - <https://www.otquest.com/naruto-story-arcs/>

¹ Content in these episodes are not a part of the manga (see footnote 3)

² An Arc is the equivalent to a season in American Television Shows

Design Evaluation

We initially gain inspiration from a site that compared filler episodes of [Game of Thrones](#). The visualizations below are some initial visualization ideas. The first chart broke the show down by arc on the y-axis. X-axis was to display the number of episodes and the percentage at the beginning of the bar, was for the percentage of episodes that were filler episodes. We realized this was overly complicated and decided a stacked bar chart would be best. After doing assignment 6 we thought it'd be best to go with that design for several reasons: One, the dataset was too large for one stacked bar chart, two, it would be a cleaner look and three, it would be easier to read.



Implementation and Evaluation

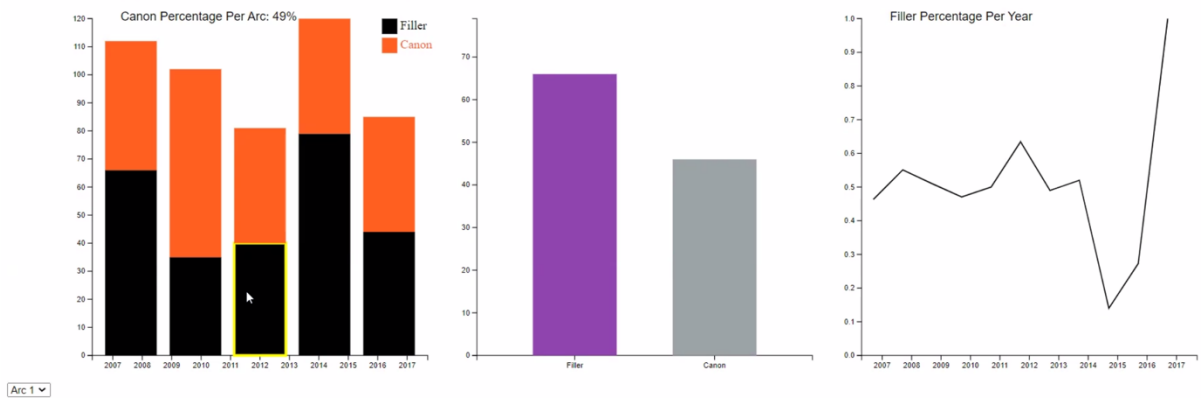
We have three visuals; each broke the show down by each arc. The first visual is a stacked bar chart. When you highlight over the respective bars it will give you a percentage in the top left-hand corner of how many episodes are filler episodes versus cannons. The Y-axis will show the number of episodes and X-axis will show the years the show was on air.

The Second chart is a standard bar chart that compares the number of filler episodes next to the number of cannon episodes. The Y-axis will show the number of episodes in that given arc and the X-axis will show which cannon or filler, respective to the bar its under. Whenever you click the drop button in the bottom left-hand corner it will show you which arc you are currently on. When the arc is changed, the color of the bar charts will change colors, the colors representing the different characters of the show.

The last visualization is a line chart. This one shows the percentage of filler and cannon episodes in each arc. This one goes more in detail than highlighting over the bar in the stacked bar chart. It shows the number of filler and cannon in the year those shows were on air. Thus, giving the opportunity for the viewer to see which year of the arc did the producers decide to derail for the original manga³ content.

³ Manga is the equivalent to comic books for the Superhero genre

Naruto Shippuden Canon and Filler Episodes



Canon: This represents the type of episode that is a one-to-one recreation of the manga, which therefore represents the original creator's ideas.

Filler: This represents the type of episode that is not a product of the original manga author, it is the creation of the animation studio and is predominantly irrelevant to the story and treated as such by the canon material and fans.

Side note: Some episodes were a mixture of filler and canon material, but were counted as filler both to reduce confusion and make sure that the canon material was the original work of the author only