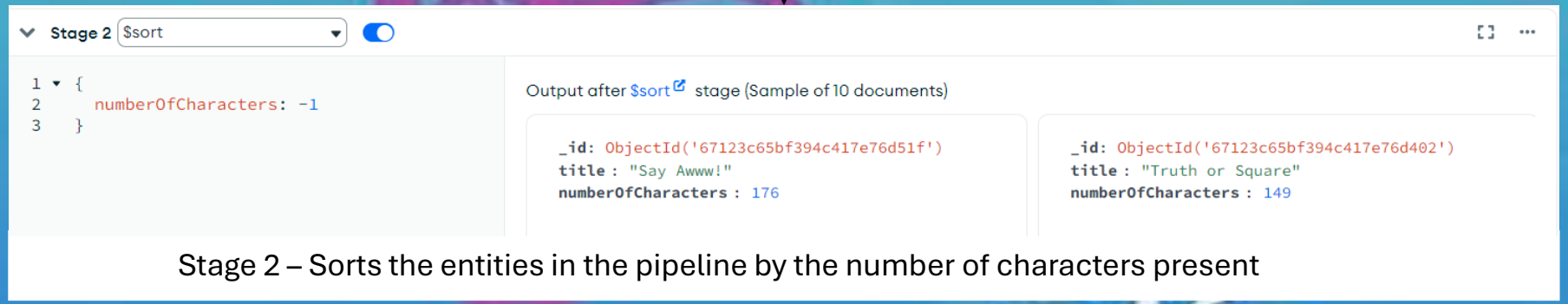
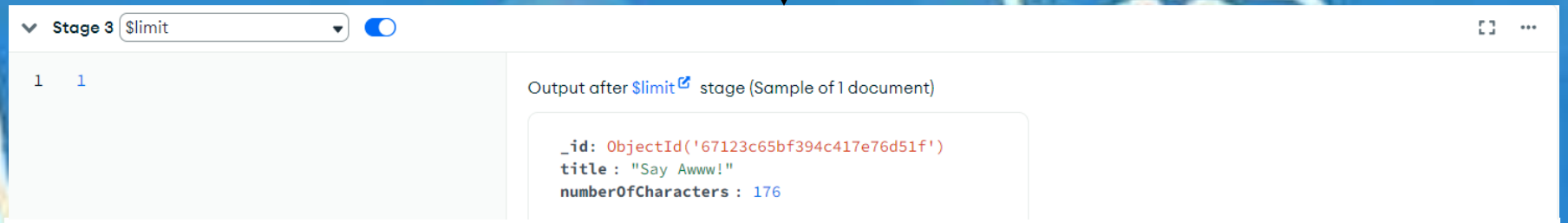

Mongo DB SpongeBob
Project

Using MongoDB Queries to Find the episode featuring the most characters

Stage 1 – Specifies the character field to be passed into the next stage of the pipeline



Stage 2 – Sorts the entities in the pipeline by the number of characters present



Stage 3 – Limits the entities returned to 1 after sorting, yielding the episode with the highest number of characters

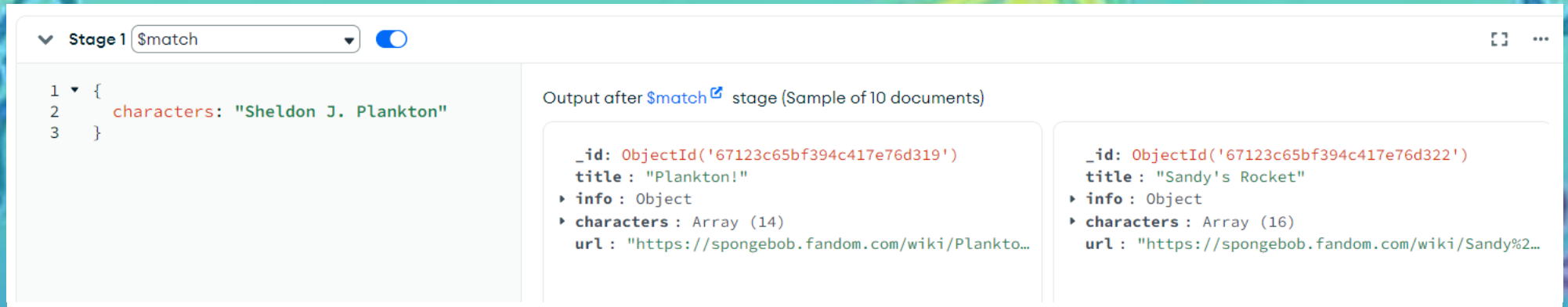
Using MongoDB Queries to Find the episode with the highest U.S viewership

Stage 1 – Specifies the U.S. Viewers field to be passed into the next stage of the pipeline

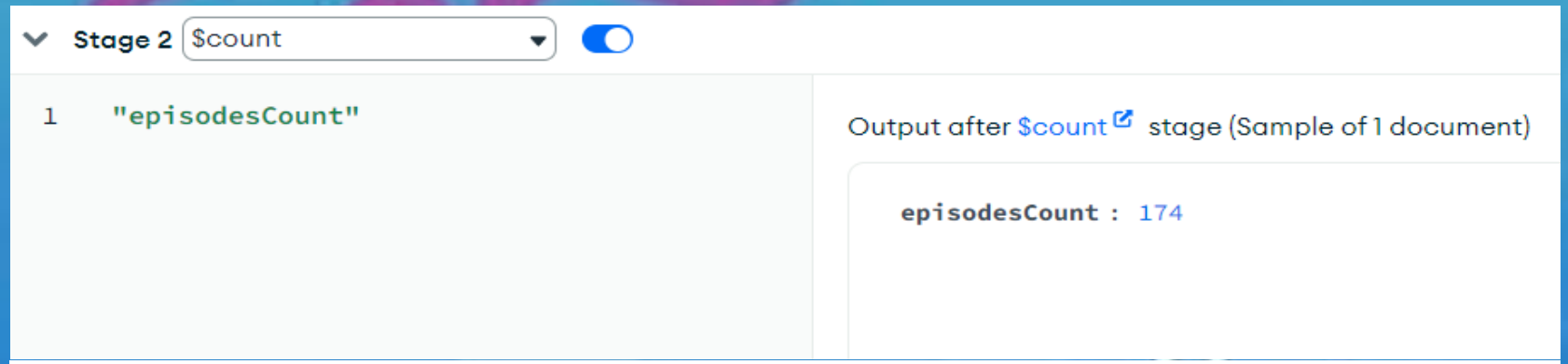
Stage 2 – Sorts the entities by U.S. Viewers

Stage 3 – Limits the entities to be returned to the top result after sorting, yielding the episode with highest U.S. viewership

Using MongoDB Queries to Count the number of episodes featuring Plankton

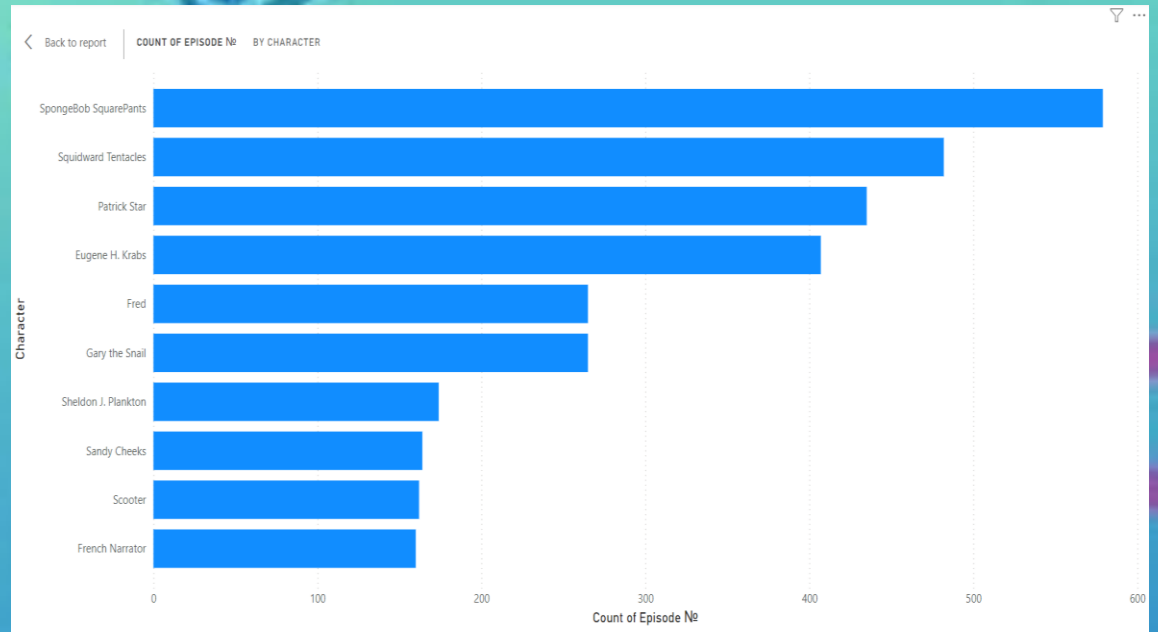


Stage 1 – Filters entities to those featuring plankton, and then passes it to the next stage of the pipeline

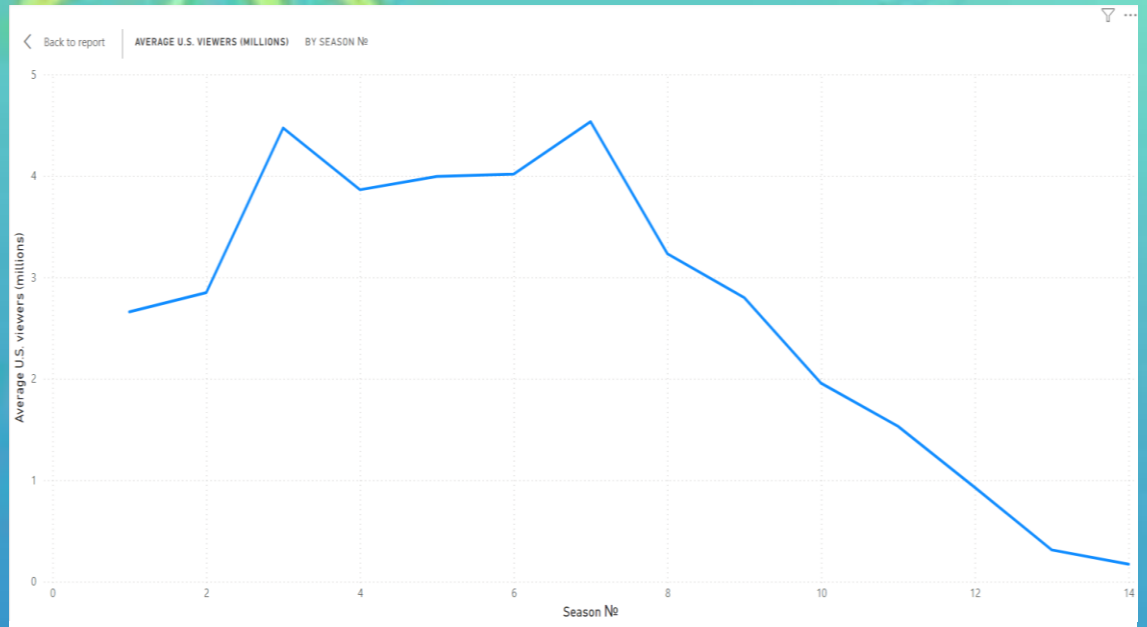


Stage 2 – Counts the number of episodes remaining after being filtered

Visualisations



A bar chart created in Power BI based on the data handled and queried through Mongo DB. This shows the count of episode appearances throughout the series of the 10 most common characters.



A line graph created in Power BI based on the data handled and queried through Mongo DB. This shows the average U.S. Viewership numbers in millions per each season of the series.