***Abstract*—**

**This paper presents the comparison between three of the biggest TV shows in the United States right now; Suits, NCIS:LA and the original NCIS. Our TV study will explore various information such as, views (per million), date released and the rating it was given provided by an online website.**

**Suits is a drama series about lawyers and what they do daily and how they perform while moving up the ranks at the firm. It was first aired in 2011 and its currently entering its ninth season. NCIS & NCIS:LA is an action tv series about tackling terrorism before it happens and about investigating crimes associated with the navy. NCIS is the original show but in 2009 NCIS:LA was created as a spin off. Both shows are still going today as NCIS is onto its seventeenth season and NCIS:LA is entering its eleventh season**

**From my study of all these TV shows, I will analyse the patterns within the dataset I have created in R for each TV show and see if I can find any interesting patterns within the shows Data. From all this data, I will be able to see if the shows had views dropped or increased; or if ratings had dropped or increased as the shows went by. A top twenty MapReduce pattern will be used to see various patterns such as top 20 episode regarding views & top 20 episodes regarding ratings.**

1. **Introduction**

Both NCIS shows and Suits are one of the best TV shows in America in the last 15 years with critics raving about them ever since their release date. NCIS was introduced to viewers in the early 2000s and is still going to this day. With a loyal fanbase, the show might keep going for the next few years. In 2008/9, the producers of NCIS thought it would be great to do a Spin-Off Series of the show, therefore created NCIS:LA. The show was a major hit in the US and became one of the go-to shows to watch on a weekly basis according to TV critics. Suits was created in 2011 and became an instant hit with Fox producers instantly. The show gives us an idea what happens within a lawyer’s firm and what they do with a few extra incentives added in.

The idea of this project was to download an already created dataset of NCIS:LA from the internet. This dataset contained already featured information from Wikipedia but lacked information about the rating system of each episode. I worked through the data and cleaned the data to make sure I had only the information I needed to give and create patterns for the project. To create and produce a dataset for NCIS and Suits, I web scrapped data from 2 various websites such as Wikipedia for all episodic information such as episode name, number of series & number of the episode within the season; and iMDB for the ratings for each episode. The two datasets was then combined into one dataset. Once all information was gathered and cleaned, it was then stored as a CSV file that was then to be used for further analyses.

The objective of this project was to find in-depth information in relation to various top-rated TV shows about consistency of ratings towards the show and views (per million) while also searching for drops or increases in ratings and views. MapReduce patterns are then inserted to find specific results that I wanted to see prior to analysing.