Package: SouthParkRshiny (via r-universe)

July 8, 2024

Title Data and 'Shiny' Application for the Show 'SouthPark'

Version 1.0.0

Description Ratings, votes, swear words and sentiments are analysed for the show 'SouthPark' through a 'Shiny' application after web scraping from 'IMDB' and the website <https://southpark.fandom.com/wiki/South_Park_Archives>.

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URL https://github.com/Amalan-ConStat/SouthParkRshiny,https://amalan-con-stat.shinyapps.io/SouthParkRshiny/

BugReports https://github.com/Amalan-ConStat/SouthParkRshiny/issues

Depends R (>= 2.10)

Imports box, bslib, config (>= 0.3.2), ggplot2, ggpubr, golem (>= 0.4.1), kableExtra, knitr, shiny (>= 1.8.0), shinydashboard

Suggests gridlayout

Additional_repositories https://amalan-constat.github.io/drat/

Encoding UTF-8

LazyData true

LazyDataCompression xz

RoxygenNote 7.3.1

Repository https://amalan-constat.r-universe.dev

RemoteUrl https://github.com/Amalan-ConStat/SouthParkRshiny

RemoteRef HEAD

RemoteSha ccf8f1fb108f261e9fa0bcf5248b3d2e52df603e

Contents

`Basic_plots` *Basic plots*

Description

Average rating and votes summarised in different ways.

Usage

```
Basic_plots
```

Format

A list with

1 Number of Votes vs Average Rating

2 Number of episodes in seasons and their runtime

3 Average ratings and votes for each season

Examples

```
length(Basic_plots)
```

`N_Grams_plots` *N Grams plots*

Description

Three and four word phrases common among seasons, main characters and supporting characters are summarised through a plot here, from the script data.

Usage

```
N_Grams_plots
```

Format

A list with

1 Three word pharases over seasons

2 Four word pharases over seasons

3 Three word pharases over main characters

4 Four word pharases over main characters

5 Three word pharases over supporting characters

6 Four word pharases over supporting characters

Examples

```
length(N_Grams_plots)
```

Ratings_Votes_plots *Ratings Votes plots*

Description

Detailed plots for ratings and votes from the IMDB data.

Usage

```
Ratings_Votes_plots
```

Format

A list with

1 Rating for all seasons and episodes

2 Votes for all seasons and episodes

Examples

```
length(Ratings_Votes_plots)
```

run_app *Run the Shiny Application*

Description

Run the Shiny Application

Usage

```
run_app(...)
```

Arguments

...	list of golem options.

Value

used for side effects

Sentiment_Four_plots *Sentiment Four plots*

Description

Number of positive and negative words based on bing,nrc,loughran among the main four characters per season are summarised through a plot here, from the script data.

Usage

```
Sentiment_Four_plots
```

Format

A list with

1. positive words from bing over seasons
2. negative words from bing over seasons
3. positive words from nrc over seasons
4. negative words from nrc over seasons
5. positive words from loughran over seasons
6. negative words from loughran over seasons

Examples

```
length(Sentiment_Four_plots)
```

`Sentiment_General_plots` *Sentiment General plots*

Description

Number of positive and negative words based on bing,nrc,loughran among the seasons are summarised through a plot here, from the script data.

Usage

```
Sentiment_General_plots
```

Format

A list with

1 positive words from bing over seasons

2 negative words from bing over seasons

3 positive words from nrc over seasons

4 negative words from nrc over seasons

5 positive words from loughran over seasons

6 negative words from loughran over seasons

Examples

```
length(Sentiment_General_plots)
```

`Sentiment_Support_plots` *Sentiment Support plots*

Description

Number of positive and negative words based on bing,nrc,loughran among the supporting characters per season are summarised through a plot here, from the script data.

Usage

```
Sentiment_Support_plots
```

Format

A list with

1. positive words from bing over seasons
2. negative words from bing over seasons
3. positive words from nrc over seasons
4. negative words from nrc over seasons
5. positive words from loughran over seasons
6. negative words from loughran over seasons

Examples

```
length(Sentiment_Support_plots)
```

`SouthPark_IMDB_Data` *SouthPark IMDB Data Data from the IMDB website are extracted for the show. The data consists of season, episode, primarytitle, originaltitle, year, runtime(in minutes), averagerating and number of votes.*

Description

SouthPark IMDB Data Data from the IMDB website are extracted for the show. The data consists of season, episode, primarytitle, originaltitle, year, runtime(in minutes), averagerating and number of votes.

Usage

```
SouthPark_IMDB_Data
```

Format

A dataframe with

`Season` Season Number

`Episode` Episode Number

`PrimaryTitle` primary title of the episode

`OriginalTitle` original title of the episode

`Year` year the episode was aired

`Runtime` runtime in minutes

`AverageRating` average rating out of 10

`NumberOfVotes` number of votes recorded

Examples

```
sort(unique(SouthPark_IMDB_Data$Season)) # the seasons of the show
mean(SouthPark_IMDB_Data$AverageRating) # the average rating of the show
sum(SouthPark_IMDB_Data$NumberOfVotes) # sum of the number of votes
```

SouthPark_Script_Data *SouthPark Script Data*

Description

Data for the scripts scraped from the website are stored here. The data consists of season, episode, character and line.

Usage

```
SouthPark_Script_Data
```

Format

A dataframe with

`Season` Season Number

`Episode` Episode Number

`Character` Character Name

`Line` The lines the character spoke

Examples

```
unique(SouthPark_Script_Data$Season) # the seasons of the show
unique(SouthPark_Script_Data$Character) |> length() # the unique characters in the show
```

Southpark_Summary *SouthPark Summary*

Description

Overall summary plot from the script data.

Usage

```
Southpark_Summary
```

Format

A dataframe with

`Trivia` trivial information labels

`Values` data for the trivial information

`Swear_Words_plots` *Swear words plots*

Description

Swear word plots for main and supporting characters per seasons. Total number of words and unique words are summarised through plots.

Usage

```
Swear_Words_plots
```

Format

A list with

1 Swear words in general

2 Swear words for main characters

3 Swear words for supporting characters

Examples

```
length(Swear_Words_plots)
```

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