

Analysis of GOT Series

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exercise, part of the course cma (mainly based on Laube (2014))

Abstract

This Document gives a brief overview over some houses of the GOT series (Section [1](#)) and an short Analysis (Section [2](#)) of the top 10 characters with the most screentime

1 Overview Houses of GOT Series

See Coat of Arms of different Houses in Figure [1](#)

2 Analysis

See Table [1](#) for top 10 characters with the most screen time

2.1 Screen time per Character



(a) House Baratheon



(b) House Arryn



(c) House Baylish



(d) House Bolton

Figure 1: A collection of different coats of arms from the book ‘A song of Ice and Fire’, created by dezzzart published on [deviantart.com](https://www.deviantart.com/dezzzart)

```
pacman::p_load("readr","ggplot2","dplyr","ggrepel","knitr")

screentimes <- read_delim("GOT_screentimes_1.csv")
```

Rows: 191 Columns: 6

-- Column specification -----

Delimiter: ","

chr (4): name, imdb_url, portrayed_by_name, portrayed_by_imdb_url

dbl (2): screentime, episodes

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.

```
screentimes |> str()
```

```
spc_tbl_ [191 x 6] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
```

```
$ name          : chr [1:191] "Tyrion Lannister" "Jon Snow" "Daenerys Targaryen" "Cersei Lannister"
$ imdb_url      : chr [1:191] "http://www.imdb.com/character/ch0146096/" "http://www.imdb.com/name/nm0227759/"
$ screentime    : num [1:191] 293 268 221 201 199 ...
$ episodes     : num [1:191] 54 49 49 52 47 47 43 39 37 42 ...
$ portrayed_by_name : chr [1:191] "Peter Dinklage" "Kit Harington" "Emilia Clarke" "Lena Dunham"
$ portrayed_by_imdb_url: chr [1:191] "http://www.imdb.com/name/nm0227759/" "http://www.imdb.com/name/nm0227759/"
- attr(*, "spec")=
.. cols(
..   name = col_character(),
..   imdb_url = col_character(),
```

```

.. screentime = col_double(),
.. episodes = col_double(),
.. portrayed_by_name = col_character(),
.. portrayed_by_imdb_url = col_character()
.. )
- attr(*, "problems")=<externalptr>

```

```
screentimes |> summary()
```

name	imdb_url	screentime	episodes
Length:191	Length:191	Min. : 1.150	Min. : 2.00
Class :character	Class :character	1st Qu.: 4.375	1st Qu.: 4.00
Mode :character	Mode :character	Median : 10.300	Median : 7.50
		Mean : 27.261	Mean :12.44
		3rd Qu.: 27.650	3rd Qu.:17.00
		Max. :293.300	Max. :54.00
			NA's :15
portrayed_by_name	portrayed_by_imdb_url		
Length:191	Length:191		
Class :character	Class :character		
Mode :character	Mode :character		

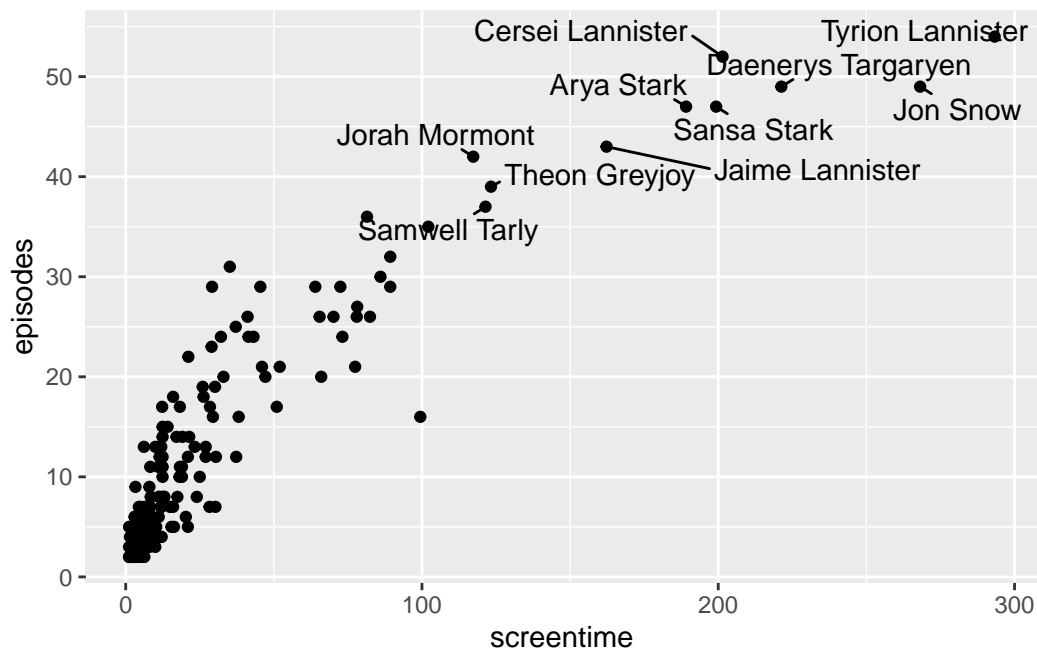
```
screentimes_high <- screentimes |> top_n(10, screentime)
```

```

screentimes |>
  ggplot(aes(screentime, episodes)) +
  geom_point() +
  geom_text_repel(data = screentimes_high, aes(label = name), min.segment.length = 0)

```

Warning: Removed 15 rows containing missing values or values outside the scale range (`geom_point()`).



```
screentimes_high |>
  select(name,screentime,episodes) |>
  kable()
```

Table 1: Top 10 Characters with the most Screentime

name	screentime	episodes
Tyrion Lannister	293.30	54
Jon Snow	268.15	49
Daenerys Targaryen	221.30	49
Cersei Lannister	201.45	52
Sansa Stark	199.30	47
Arya Stark	189.15	47
Jaime Lannister	162.30	43
Theon Greyjoy	123.30	39
Samwell Tarly	121.45	37
Jorah Mormont	117.30	42

3 References

Laube, Patrick. 2014. *Computational Movement Analysis*. 2014th ed. SpringerBriefs in Computer Science. Cham: Springer International Publishing AG.