

GAME OF THRONES DATA ANALYSIS

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DS116A: Data Visualization



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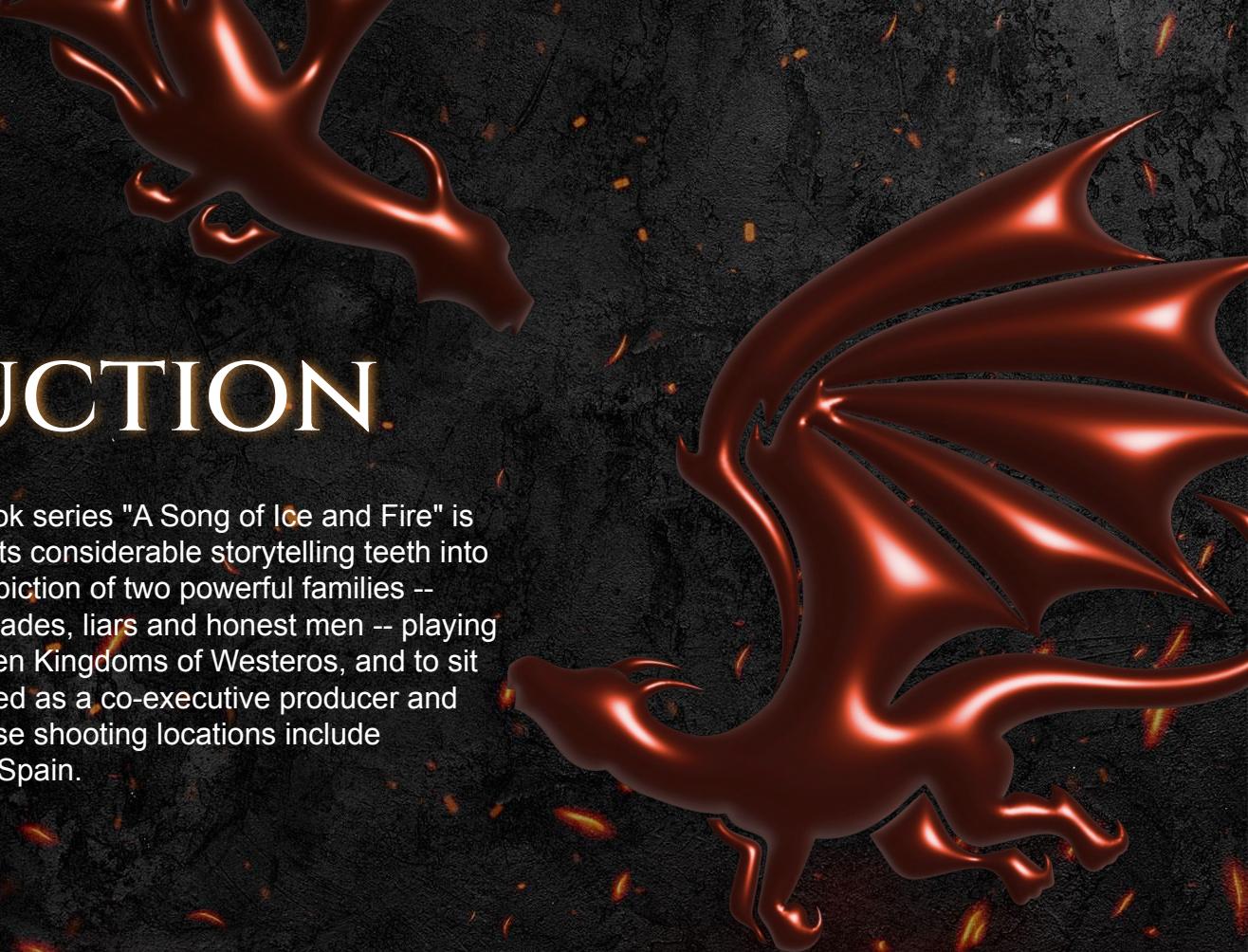
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The link to the website

01

INTRODUCTION

George R.R. Martin's best-selling book series "A Song of Ice and Fire" is brought to the screen as HBO sinks its considerable storytelling teeth into the medieval fantasy epic. It's the depiction of two powerful families -- kings and queens, knights and renegades, liars and honest men -- playing a deadly game for control of the Seven Kingdoms of Westeros, and to sit atop the Iron Throne. Martin is credited as a co-executive producer and one of the writers for the series, whose shooting locations include Northern Ireland, Malta, Croatia and Spain.





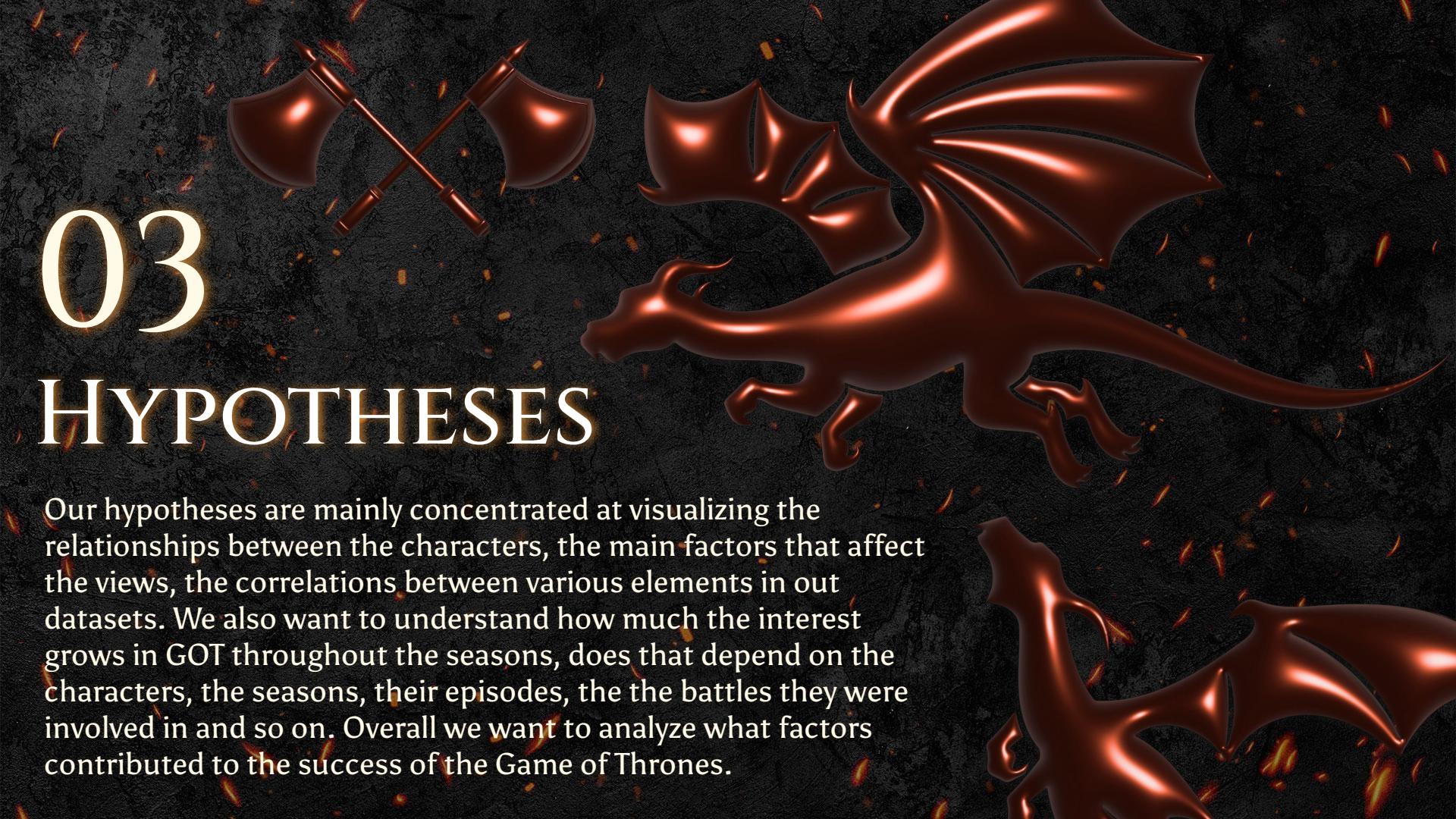
ABOUT OUR PROJECT

- We chose this series for our project as it is very famous, has a very rich plot, plenty characters, fluctuating views and a very interesting database for exploration.
- All in all we want to understand our data make any necessary changes to make good visualizations that will show us the fluctuations of the variables and the relationship between them.

02

METHODOLOGY

- ❖ The data for our research was taken from Kaggle
- ❖ The data visualization tools that rendered information in a visual format throughout our project are: graphs, charts, heatmaps and many more
- ❖ We used R programming language and for the dashboard the FlexDashboard



03

HYPOTHESES

Our hypotheses are mainly concentrated at visualizing the relationships between the characters, the main factors that affect the views, the correlations between various elements in our datasets. We also want to understand how much the interest grows in GOT throughout the seasons, does that depend on the characters, the seasons, their episodes, the battles they were involved in and so on. Overall we want to analyze what factors contributed to the success of the Game of Thrones.

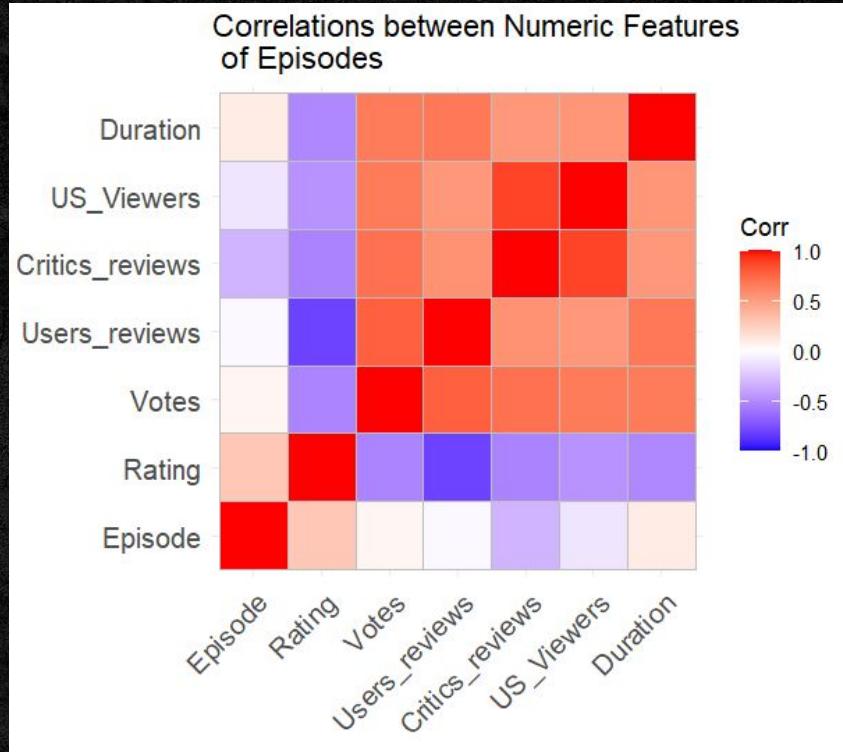


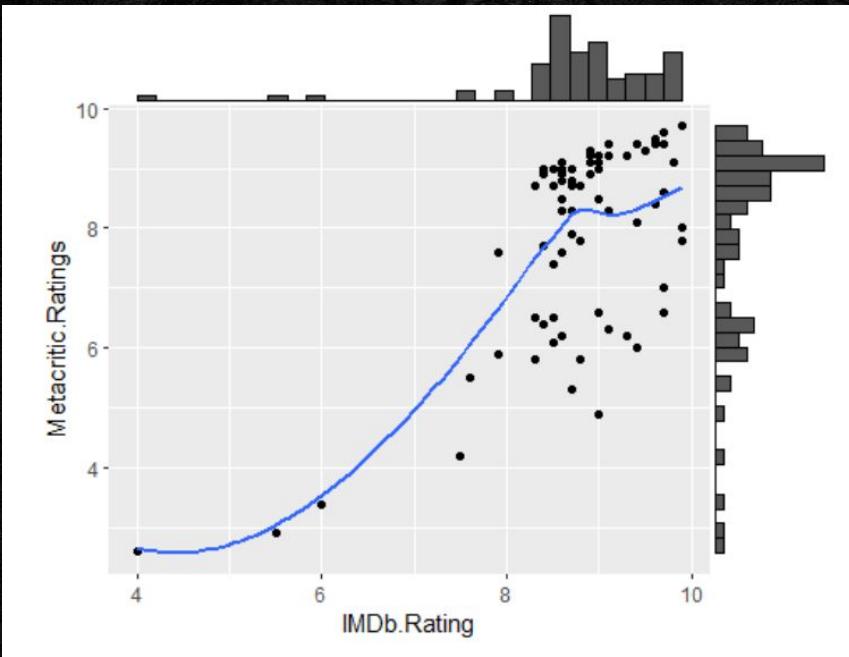
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EXPLORATORY ANALYSIS

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We created correlation heatmaps in order to understand the relationships between the variables so that it would be much easier to come up with hypotheses and derive ideas about the datasets.





Hypothesis: User reviews vs critics how different are the distributions

We have created many different kinds of graphs such as boxplots, bar plots, histograms, doughnut plots and even connection graphs and so on.



05

DASHBOARD



THANK YOU!

And remember winter has already come.

