

Let me talk

Does the volumes of characters influence the ratings?

Introduction

Motivations and questions

- IMDB ratings for Stranger Things
- Dialogue data for Stranger Things
- How does the ratings evolve through each episode?
- What is the relationship between volumes and ratings?



IMDB dataset

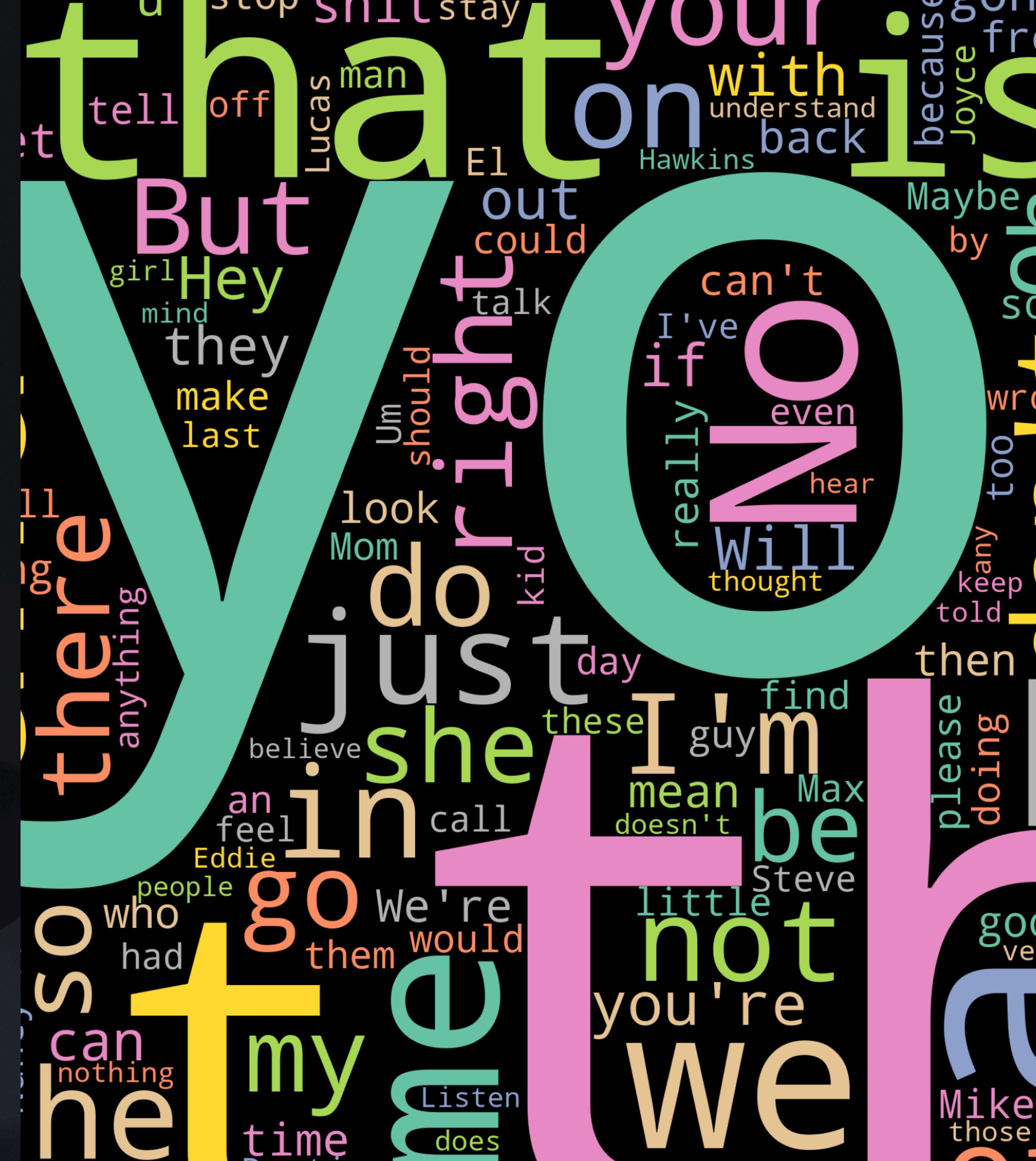
Available features

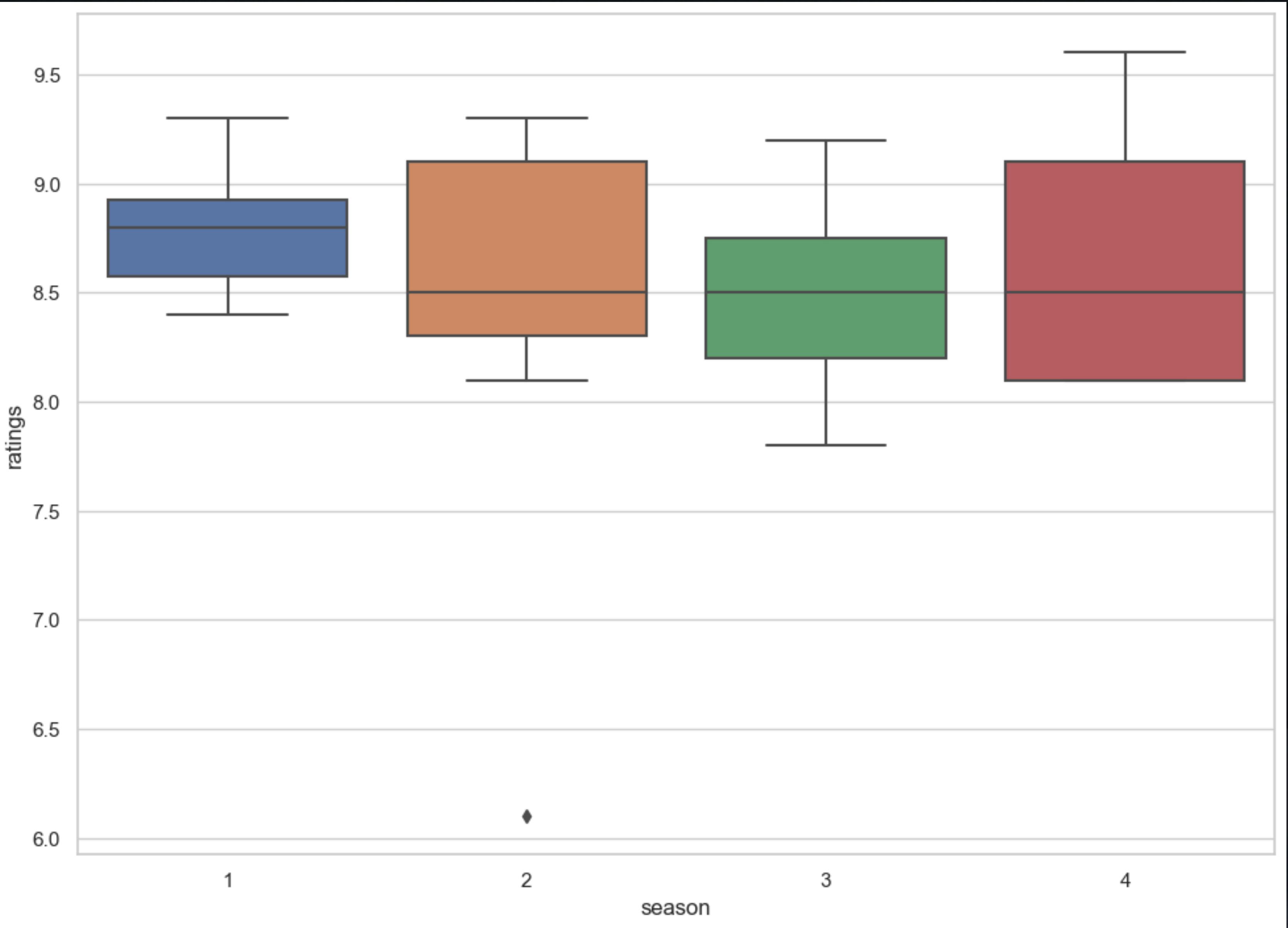
- Season
- Episode
- Ratings
- Number_Reviews(k) (NO NEED THIS TIME)

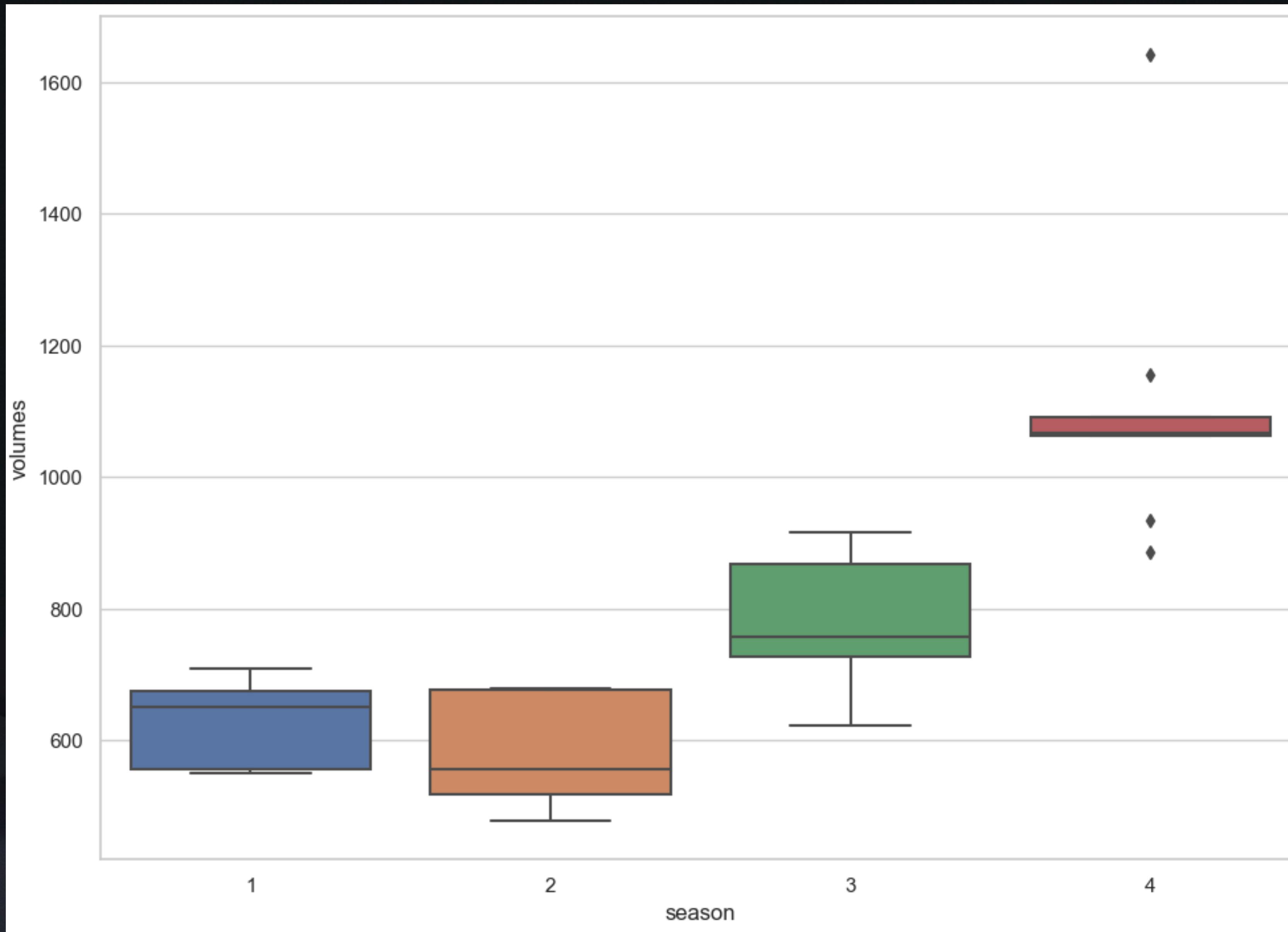
Dialogue dataset

Data Preprocessing and available features

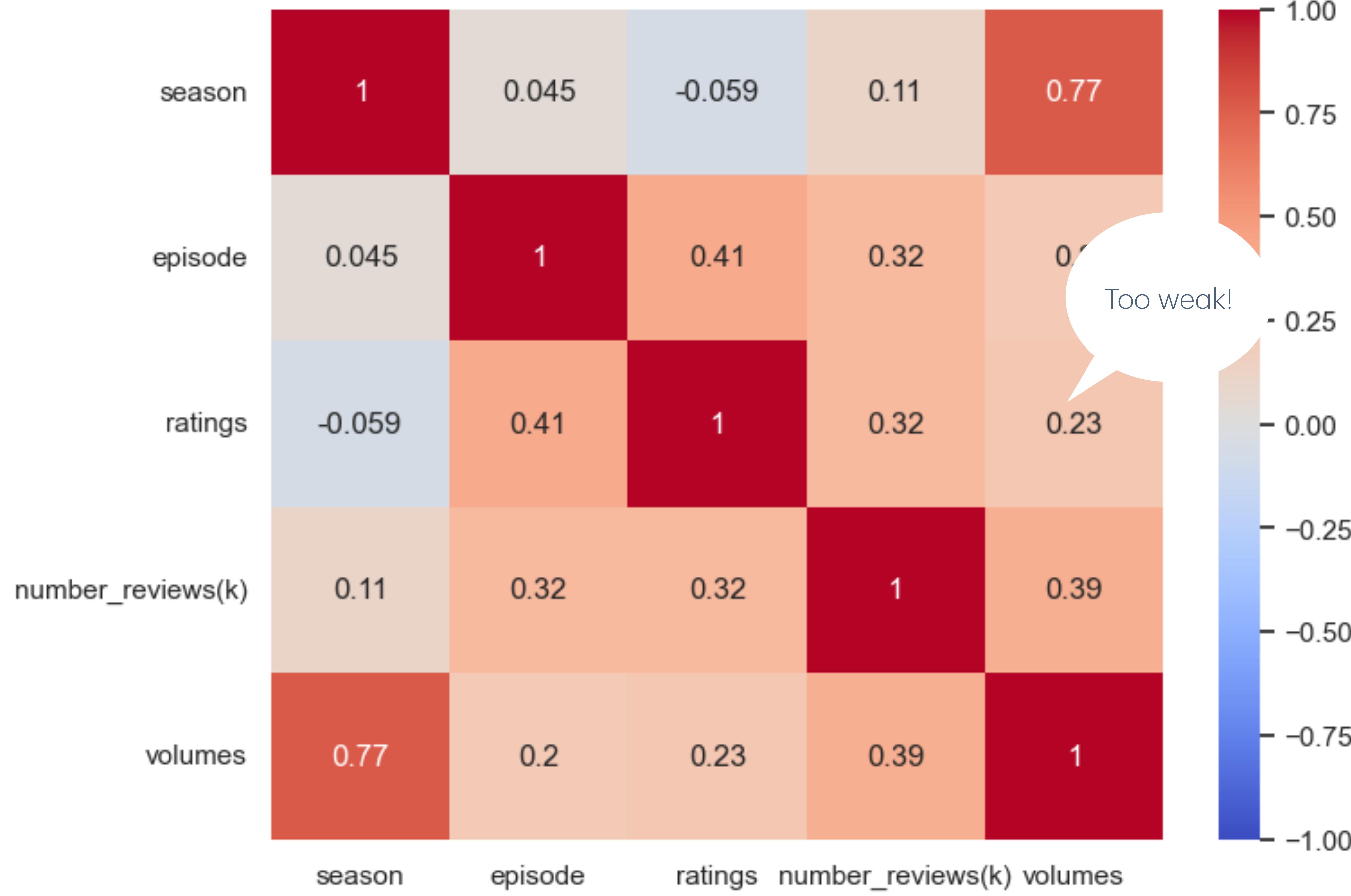
- Season
 - Episode
 - Stage Direction ([Mike], [alarm blaring], [sighs]) (Forward Fill)
 - Dialogue (Dialogue for corresponding stage) (Drop Na)
 - Start_time
 - Stop_time



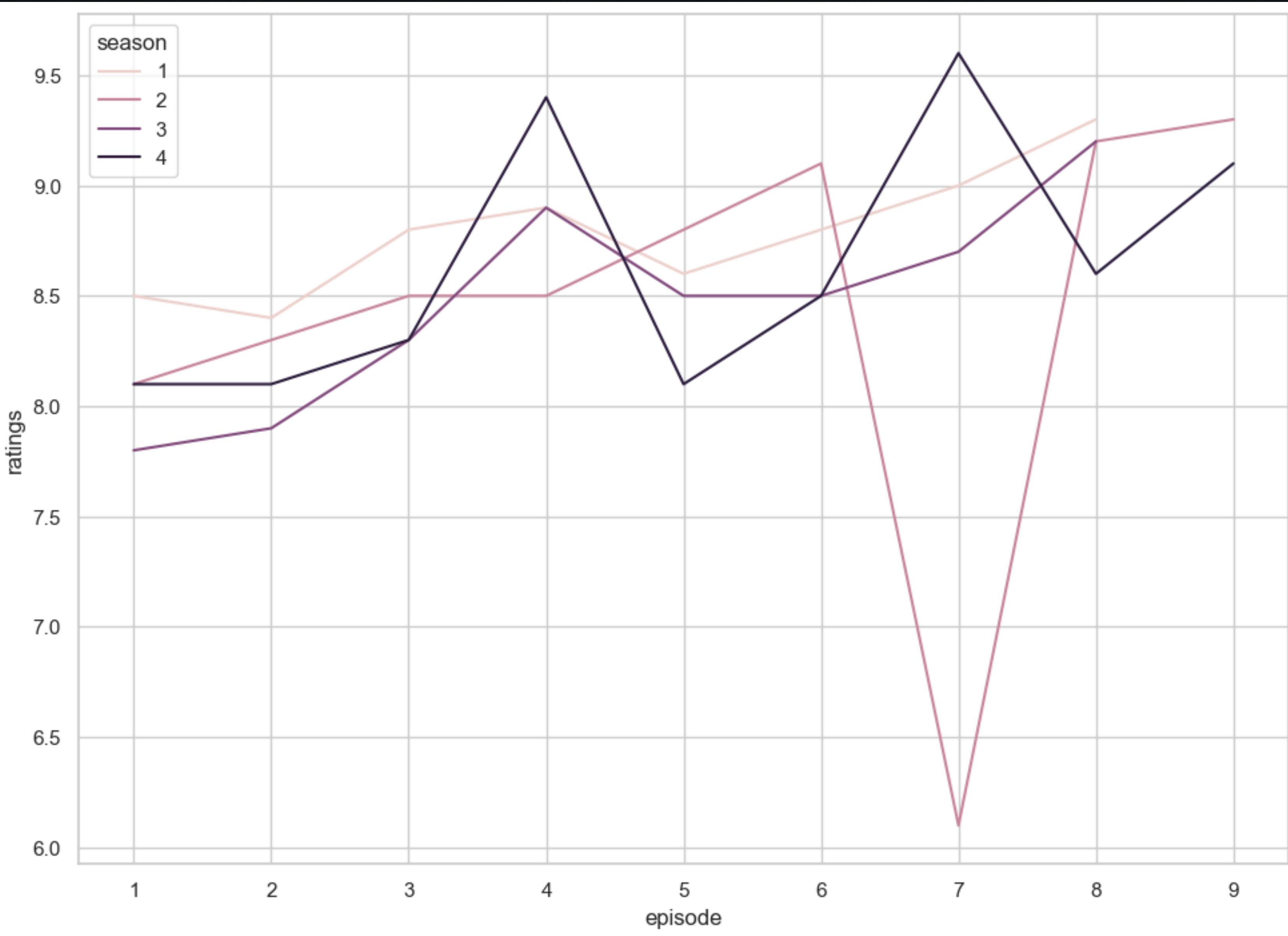


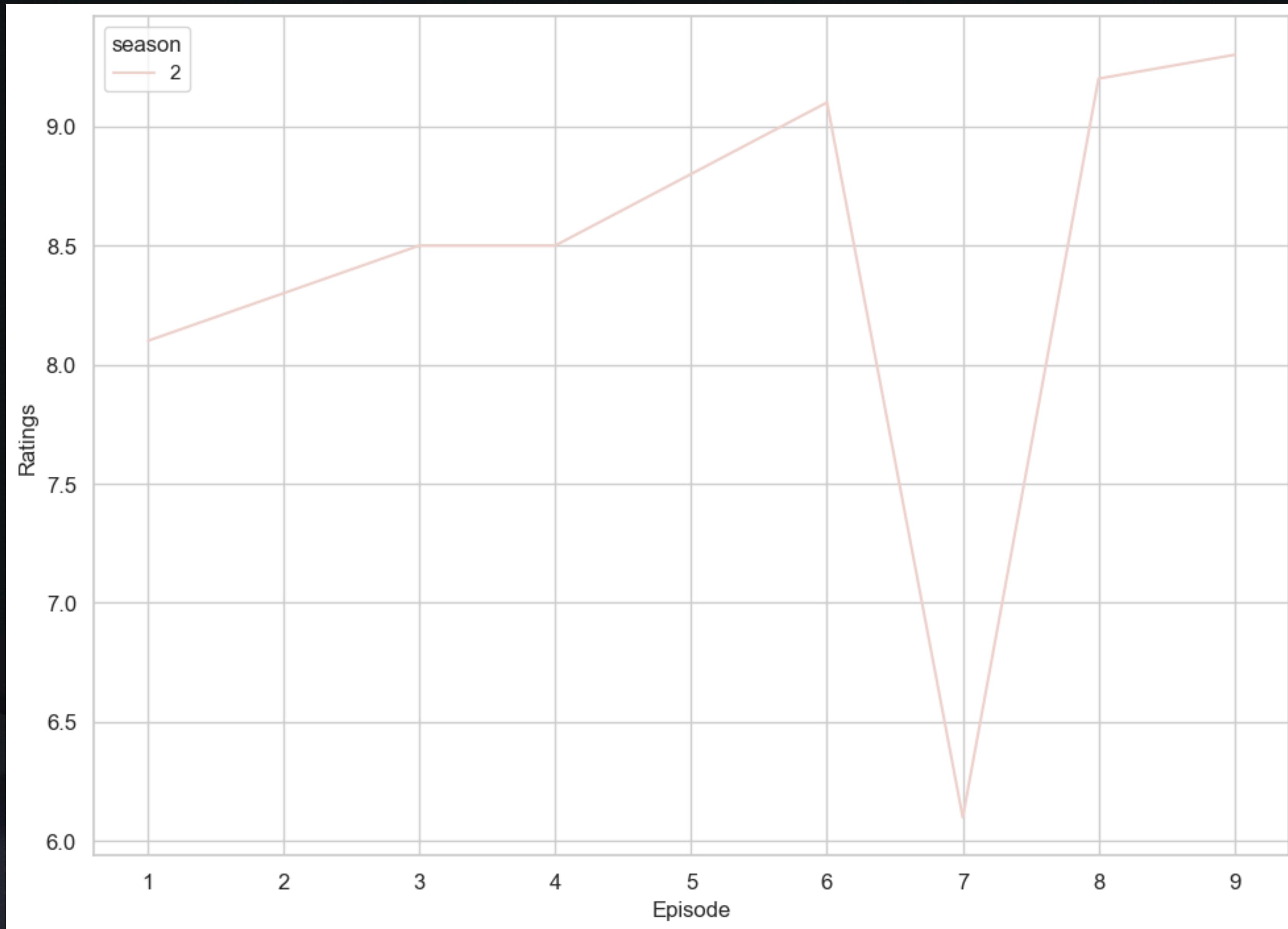


Confusion Matrix of Correlation between Columnns



Not satisfied? Are we stuck?
Any abnormal?





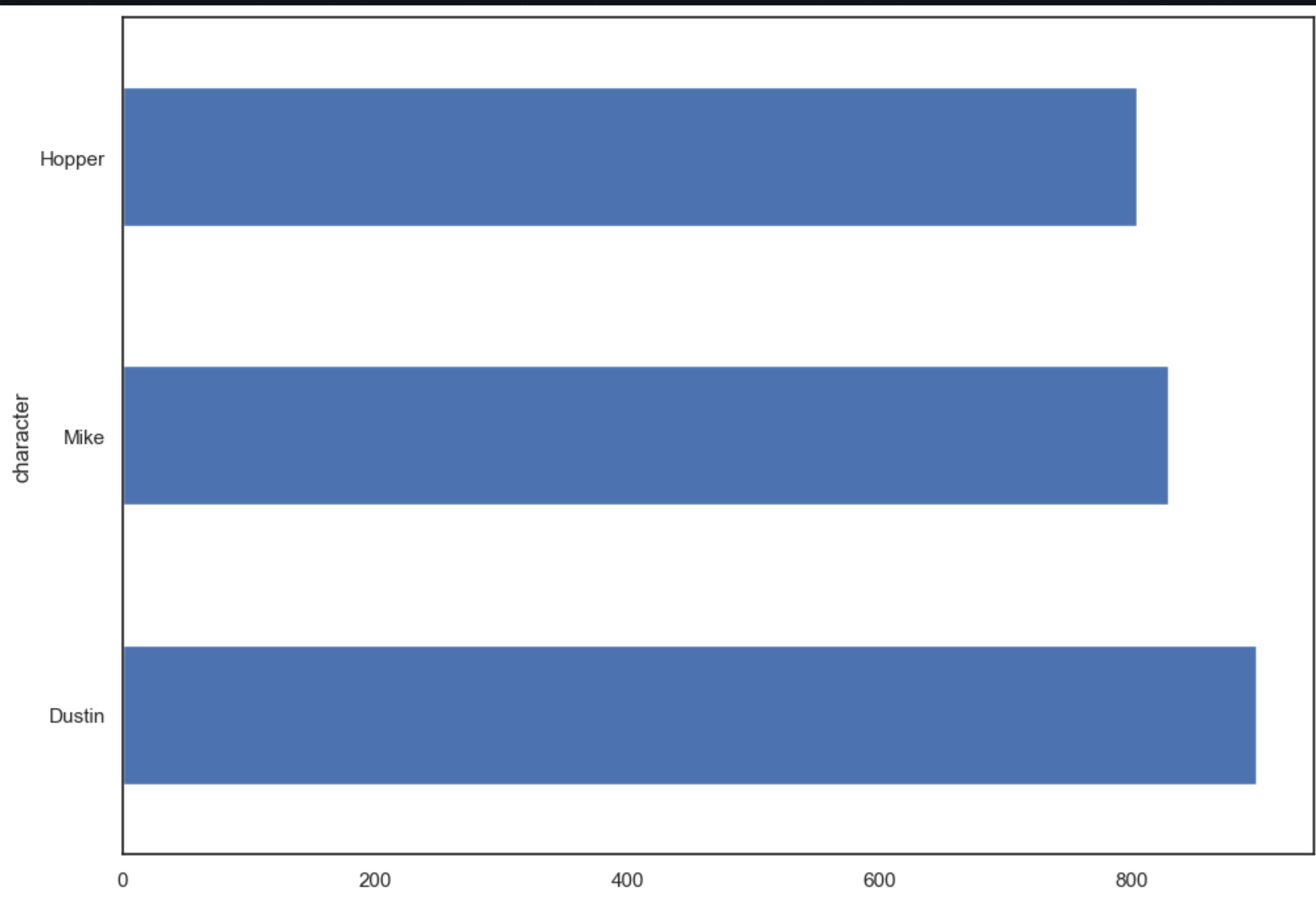
What happened to S2 E7?

Characters?

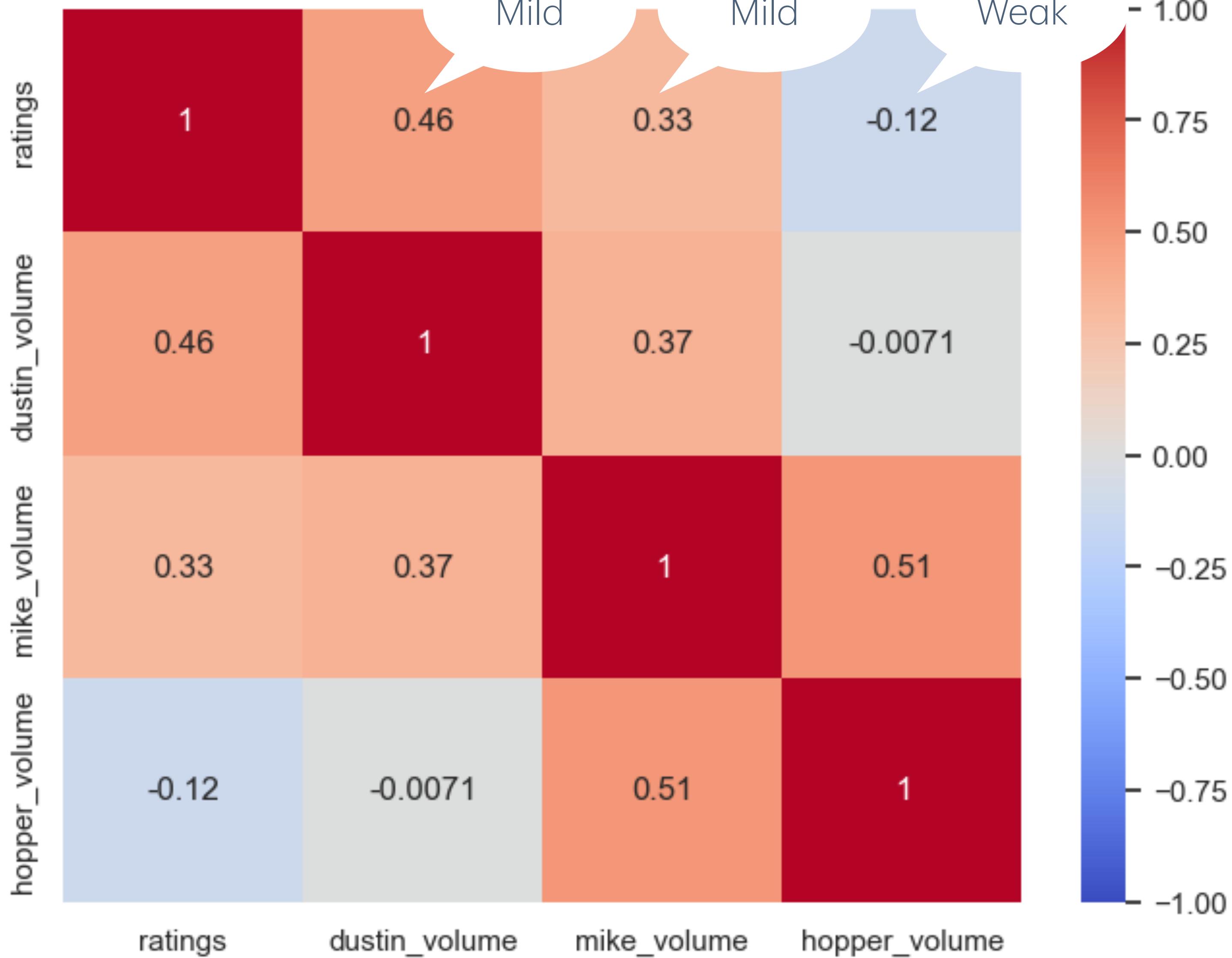
Volumes relates to specific characters

- Filter out the corresponding season
- Elaborate on main characters
- How does they influence the ratings?

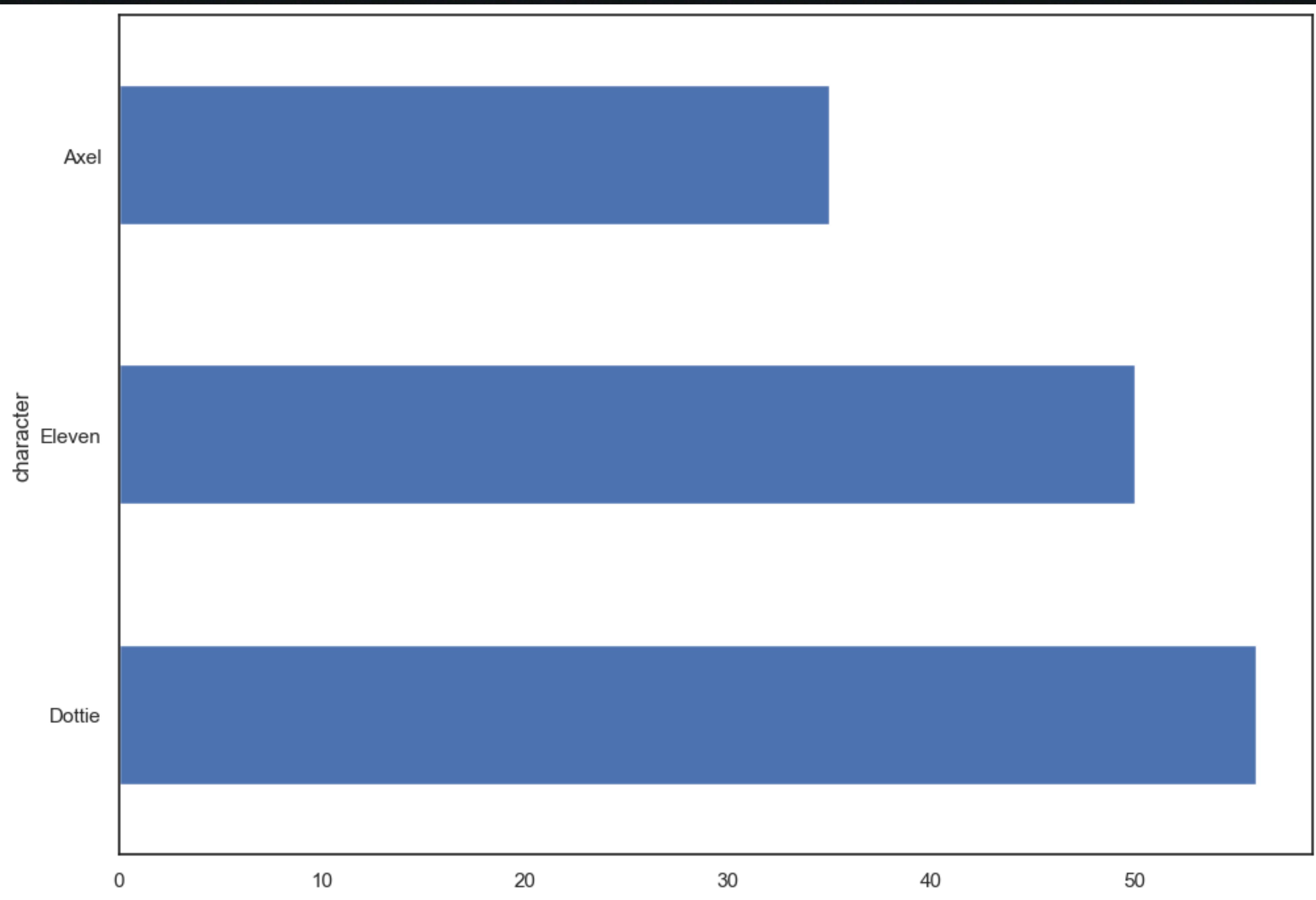




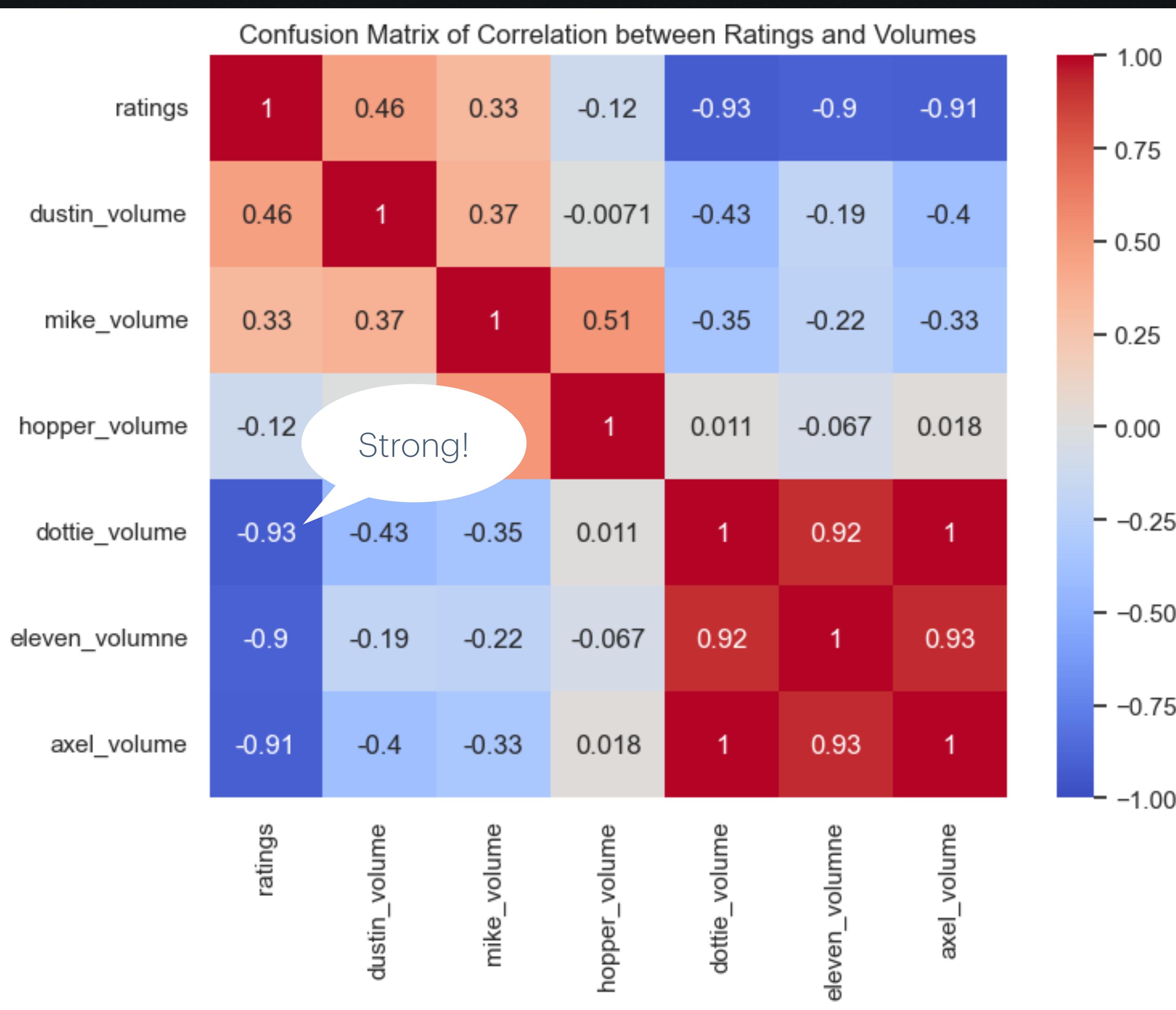
Confusion Matrix of Cor



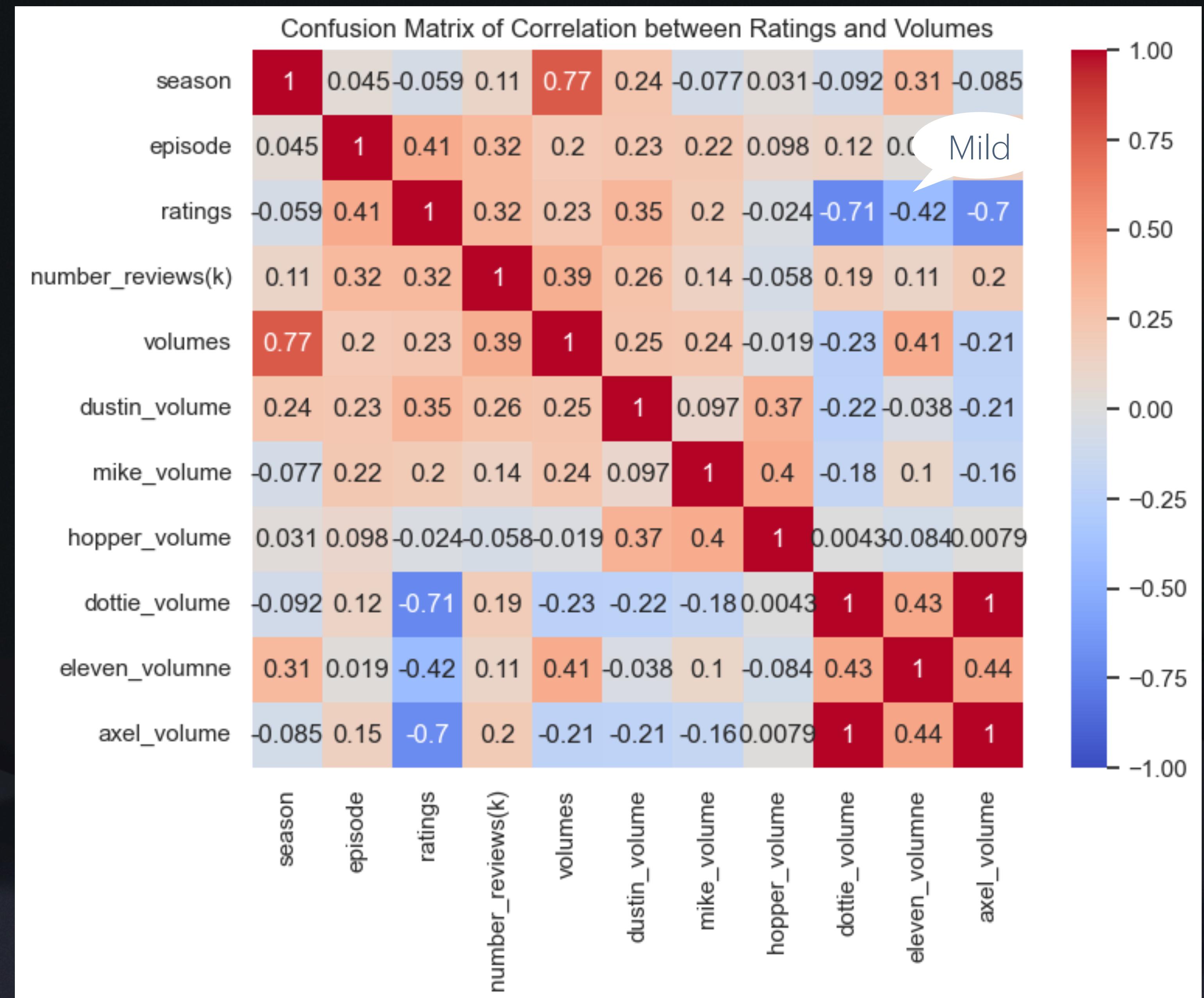
Maybe the other characters?
(Especially for S2 E7)



Confusion Matrix of Correlation between Ratings and Volumes



Does this influence all the time?



Finally

Key Takeaway

- Sorry for Axel and Dottie
- Volumes of Axel and Dottie have strong negative influence on ratings
- Volumes of Eleven have mild influence as well as the other main characters
- Maybe because S2 E7 is too low comparing to the others
- The design for Axel and Dottie is not adorable

“Data are just summaries
about stories.”

Dan Heath (An American bestselling author)