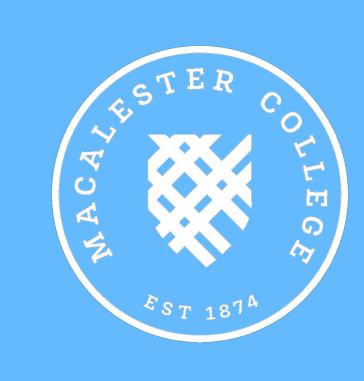


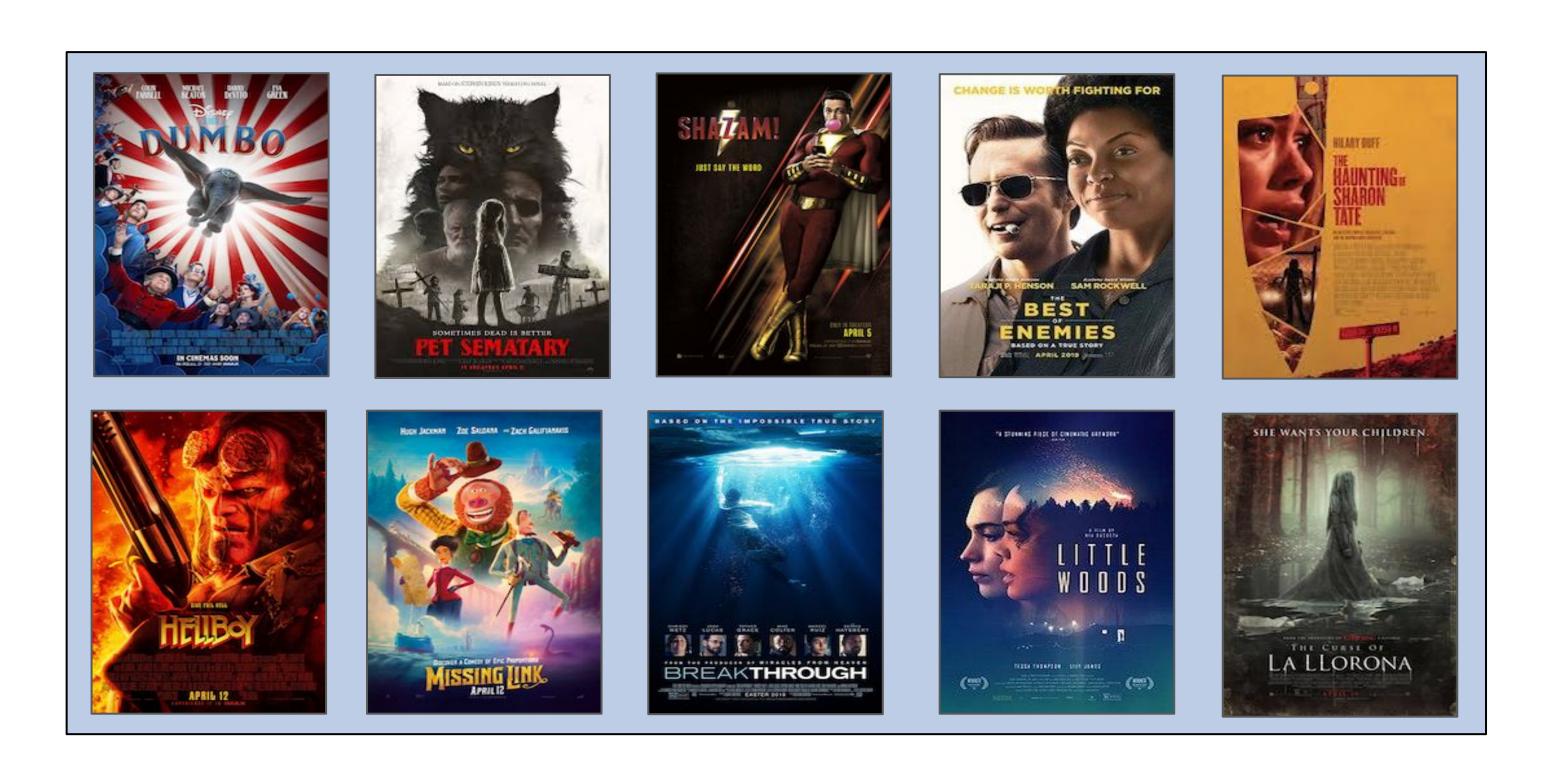
# Twitter Reactions on Opening Weekend



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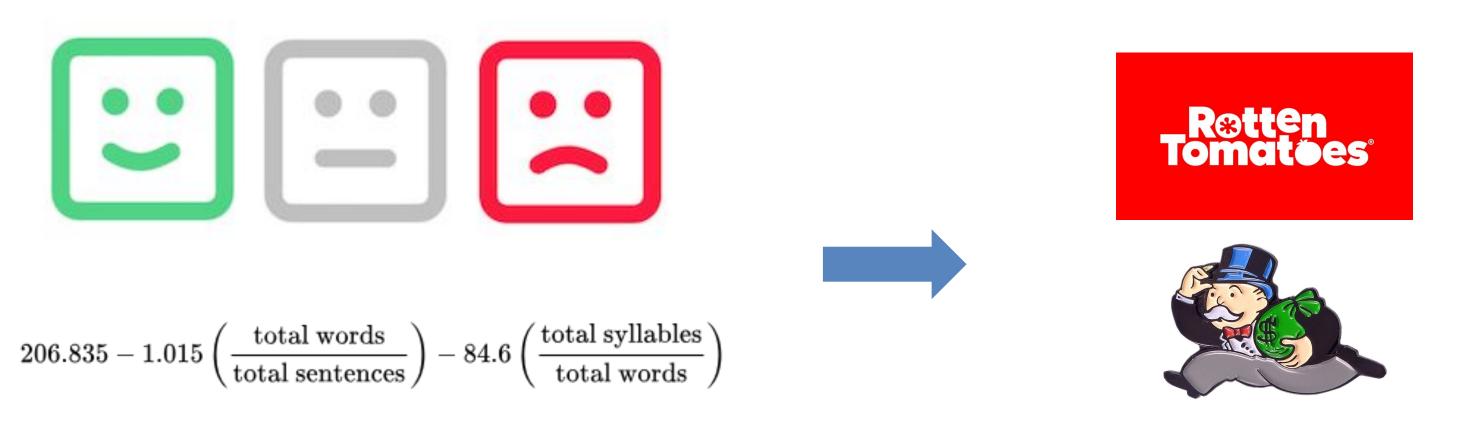
#### Introduction

- Interested in comparthe reaction on Twitter to movies coming out and comparing it against other factors
- Academia has already done great research at the intersection of film and Twitter



#### Research Questions

 How does the sentiment and readability of tweets correlate with box office returns? How about with critical reception? Genre?



## Data Collection and Cleaning

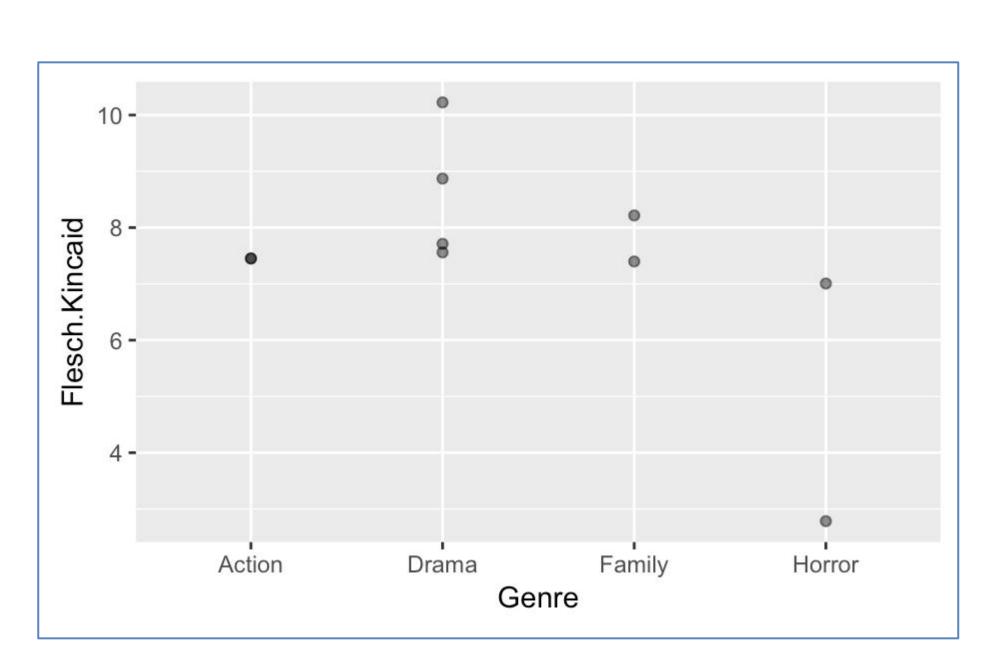
- Collected Tweets using rtweets (R) / Tweepy (Python)
- Filtered by English tweets
- Removed HTTP / HTTPS protocols
- Resulted in 40K Tweets from 10 Movies

It was great quality. It's a lighter brown than pictured be with cotton or wool on the inside.	out fairly close. Would be ten times better if it was lined
Sentiment	Score
Mixed	0.89
Positive	0.09
Negative	0.01
Neutral	0.00



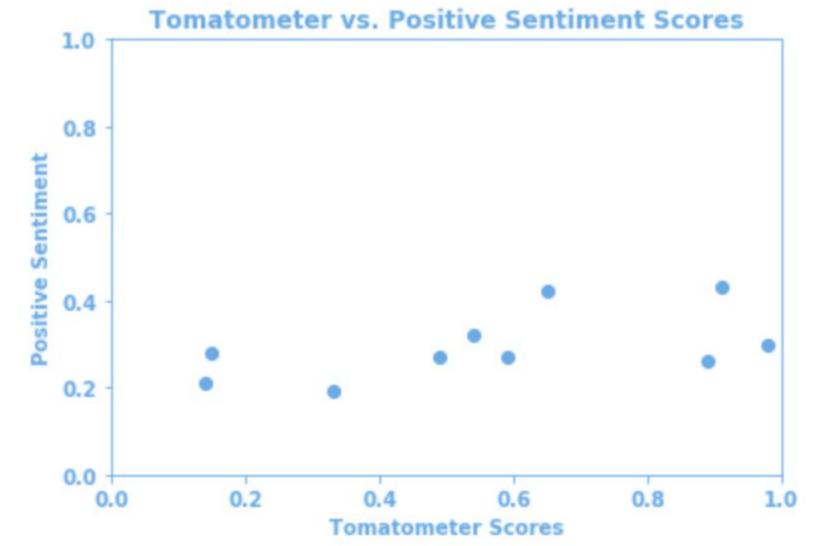
## Readability Analysis

- Flesch-Kincaid readability analyzes what grade level is necessary to understand text
- Tweets had an average score of 7.5
- Outliers are La Llorona (2.8) and Best of Enemies (10.2)
- Readability of tweets
  seemed more due to genre
  than box office or critical
  reception



#### Sentiment Analysis

- Amazon Comprehend, an API, can classify text by sentiment and a corresponding confidence score
- Shazam had the highest percentage of positive tweets -43%. Shazam was also critically acclaimed and recouped its budget in its OW
- The plot displays a medium positive correlation between the Tomatometer score and positive sentiment
- Correlation between sentiment and box office performance is inconclusive



## Conclusions & Takeaways

- Usage of tweets to predict box office performance is inconclusive, might be helpful in extreme cases
- Different genres prompt different social media responses from audiences
- Sentiment analysis shows some correlation between positive sentiment and critical/audience reception