# Sentiment Analysis for Theatrical Reviews

By Kai Tamashiro

### The Questions

Are we able to find correlation between a critic's review of a show and the show's financial success? How much of an effect does genre or show type have, if any?





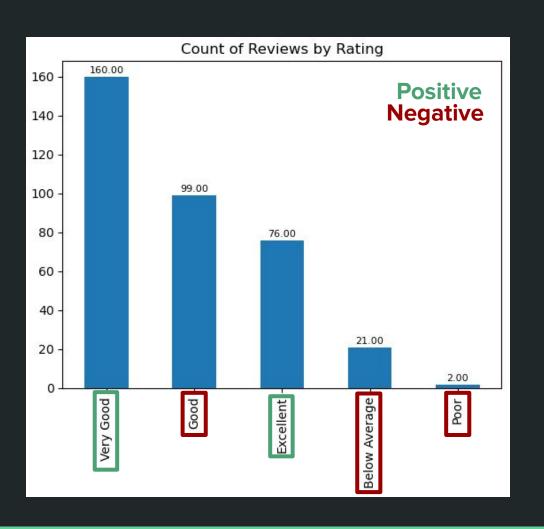
## Scrapy

## New York Theatre Guide

358 reviews

## PLAYBILL

~50,000 rows



## Genres and Show Examples

Classic - Cats, Chicago, Fiddler on the Roof

Comedy - Mrs. Doubtfire, Mean Girls, The Play That Goes Wrong

Contemporary - Kinky Boots, The Visitor, The Headlands

Dark Comedy - Into the Woods, Little Shop of Horrors, Kimberly Akimbo

Drama - The Kite Runner, Life of Pi, Harry Potter and the Cursed Child

Family Friendly - *Frozen, Aladdin, The Little Prince* 

Historical - Titanic, Richard III, Rock and Roll Man

Jukebox - A Beautiful Noise, Once Upon a One More Time, & Juliet

Revue - Bob Fosse's Dancin', Assassins, Forbidden Broadway

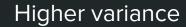
Satire - Wives, The Thanksgiving Play, Ain't No Mo'

Thriller - Grey House, Selling Kabul, Our Dear Dead Drug Lord

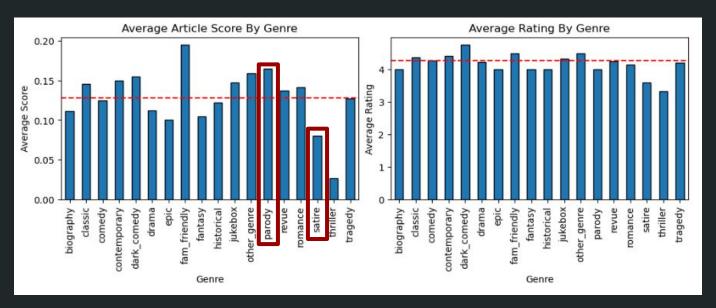
Tragedy - Hamlet, The Best We Could, The Tragedy of Macbeth

Other genre - Hadestown, Hamilton, Here Lies Love

### Article Sentiment Score vs. Show Rating



#### Lower variance

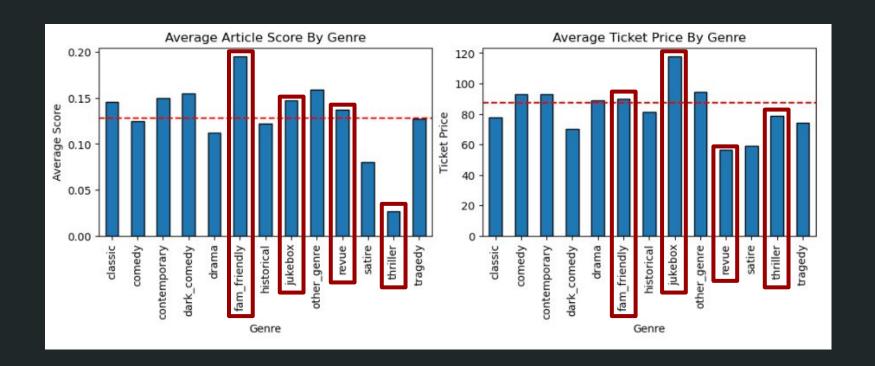


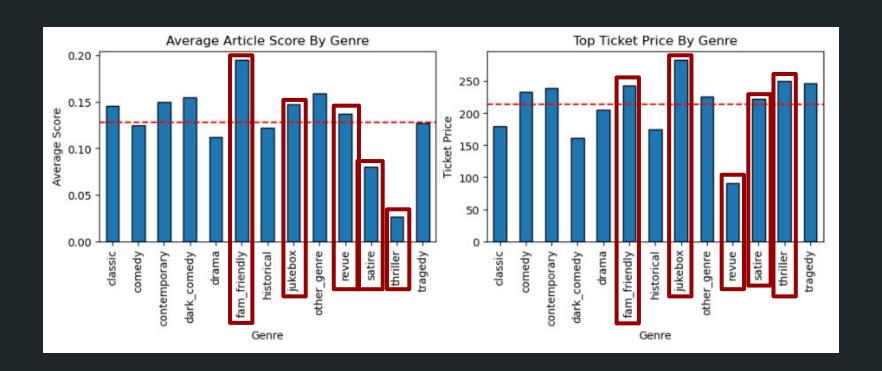
Tells a better story

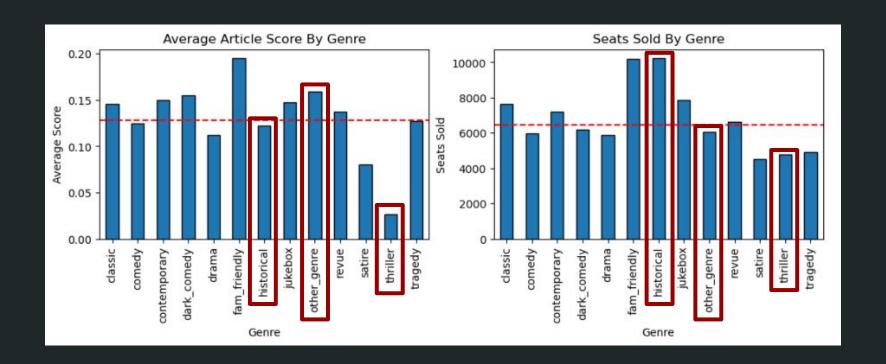
Not a lot to infer

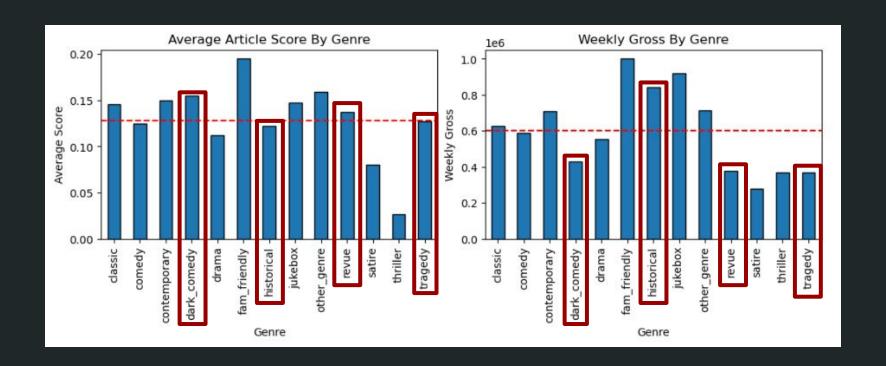


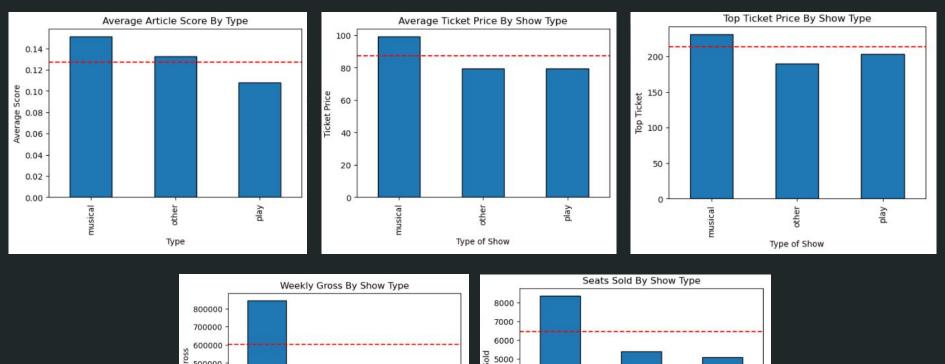
**Our focus** 

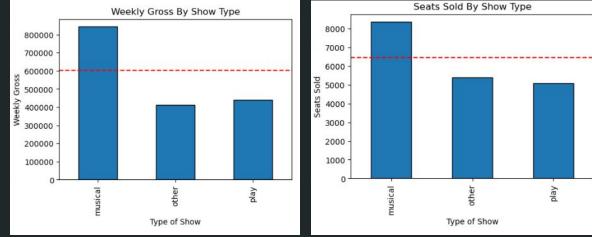












### What's next?

- Crawl more websites
- Reviews from critics AND audience
- Use different sentiment analysis model





