

Sentiment Analysis for Theatrical Reviews

By Kai Tamashiro

The Question

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?





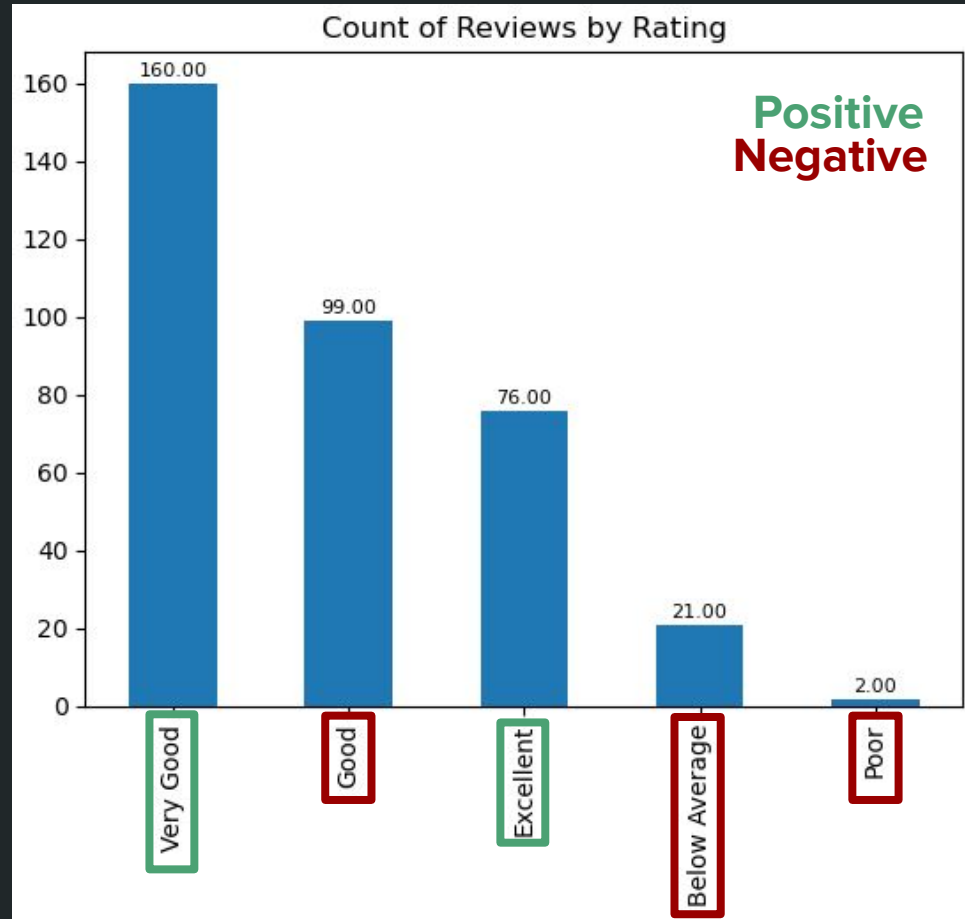
Scrapy

**New York
Theatre
Guide**

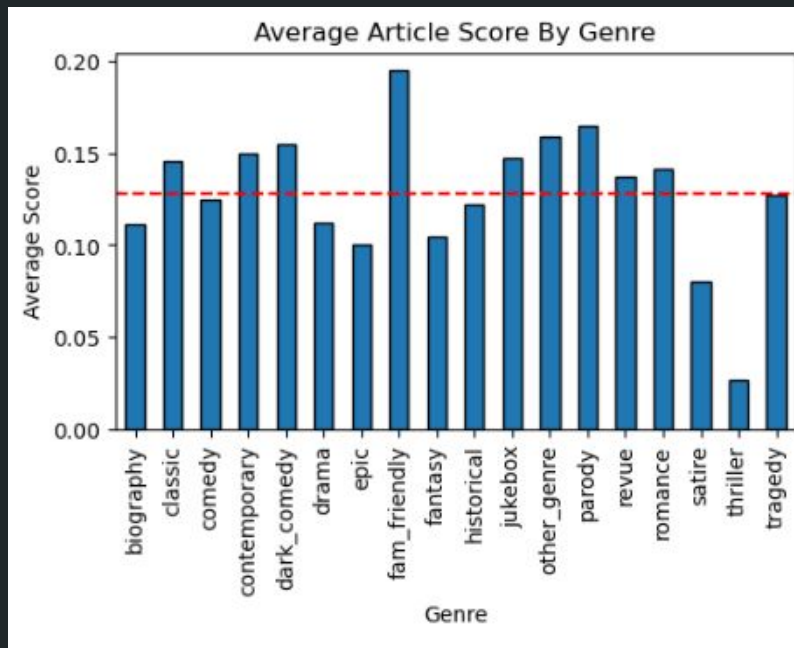
358 reviews

PLAYBILL®

~50,000 rows

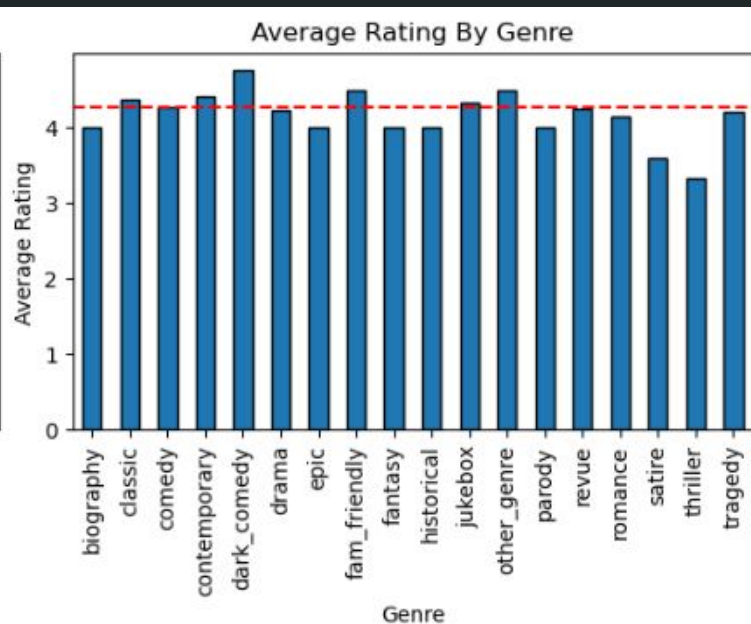


Higher variance



Tells a better story

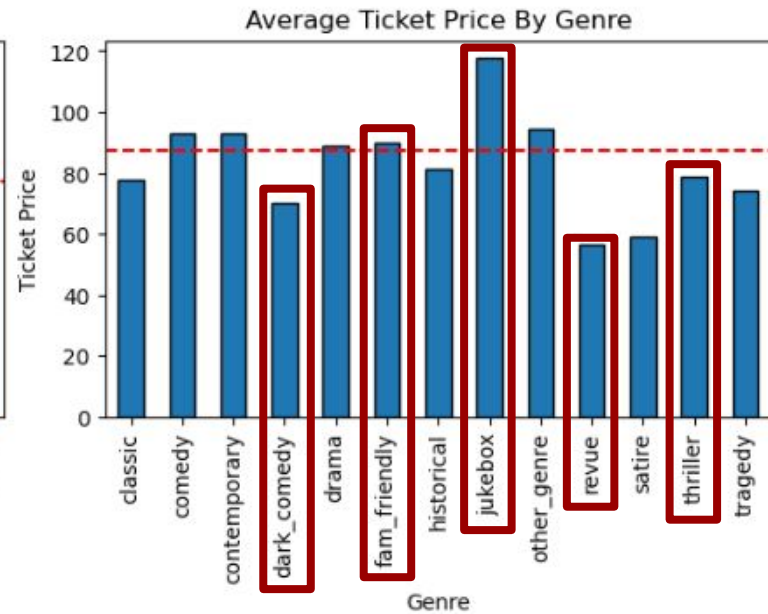
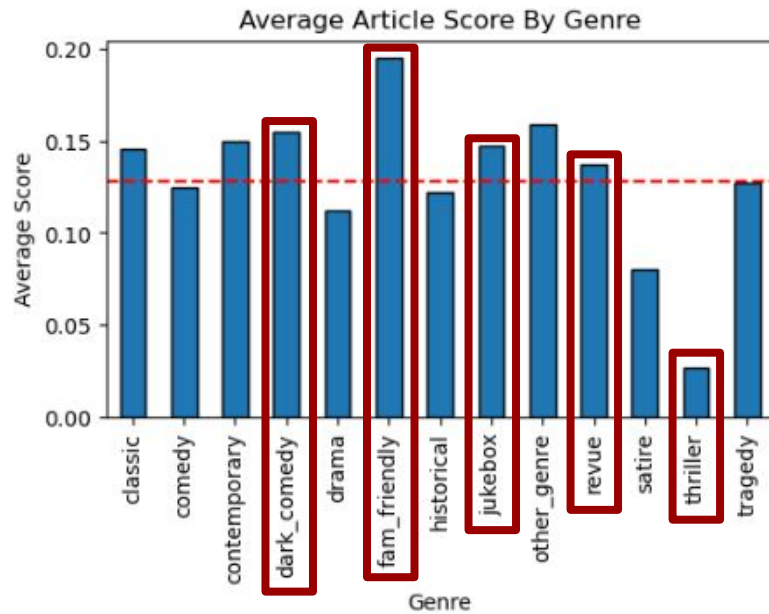
Lower variance

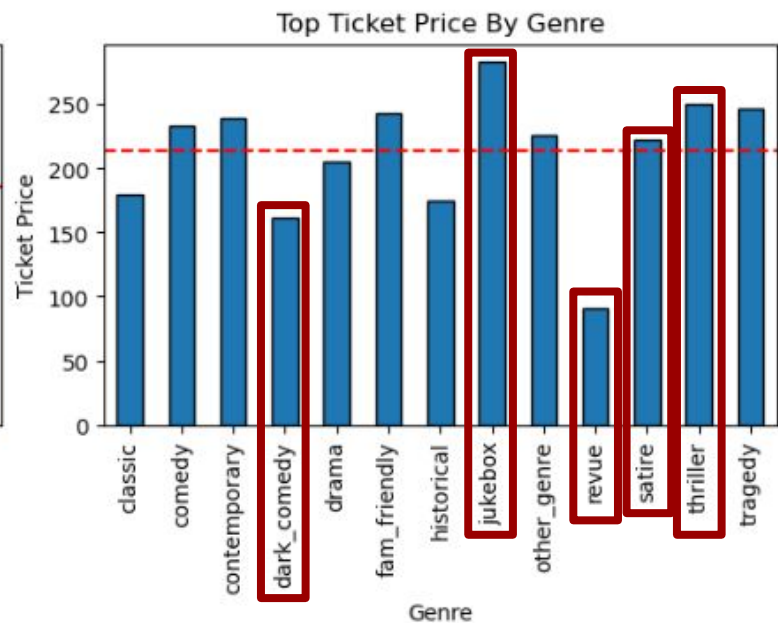
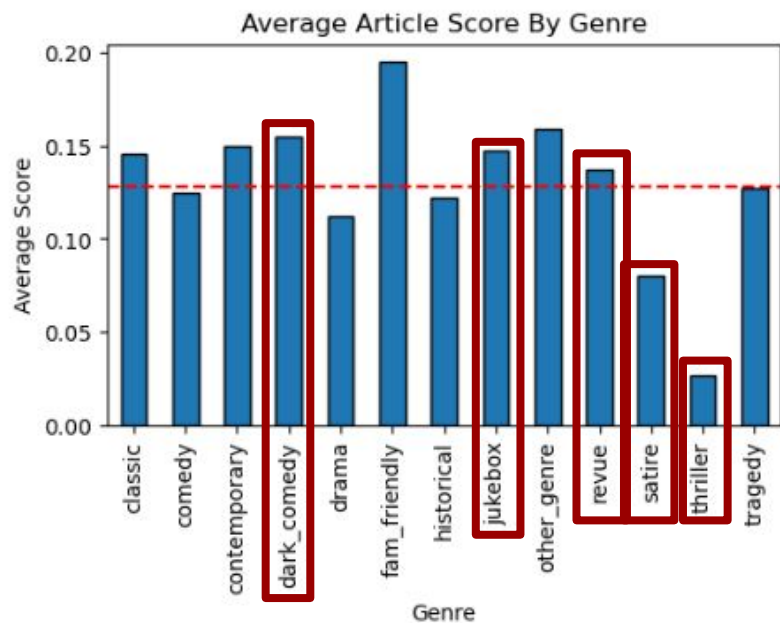


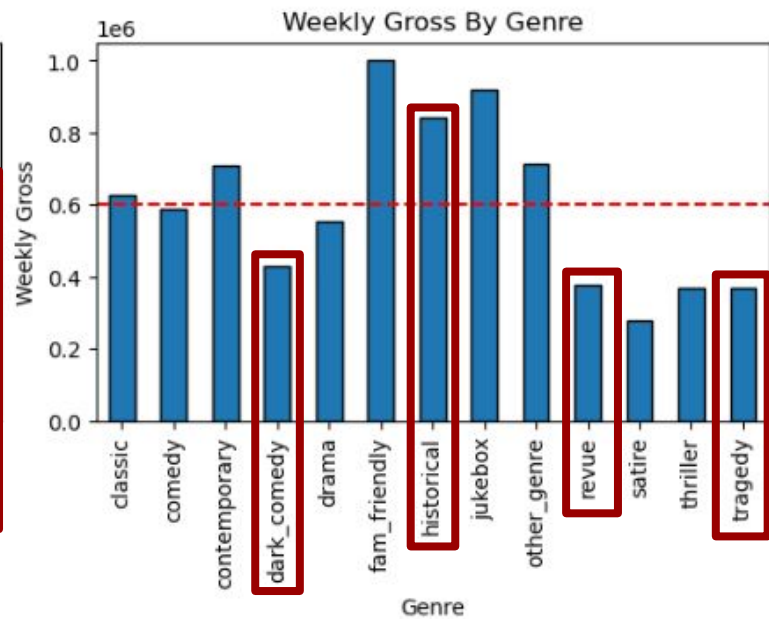
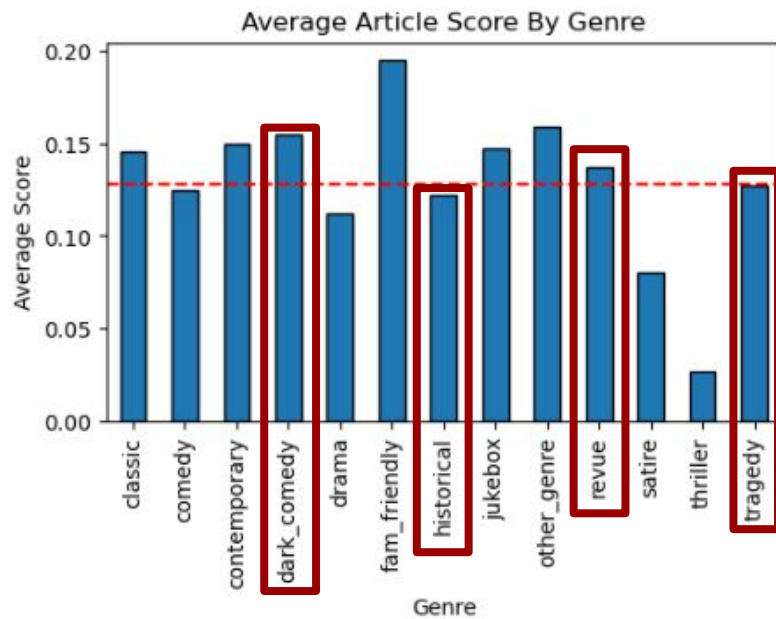
Not a lot to infer



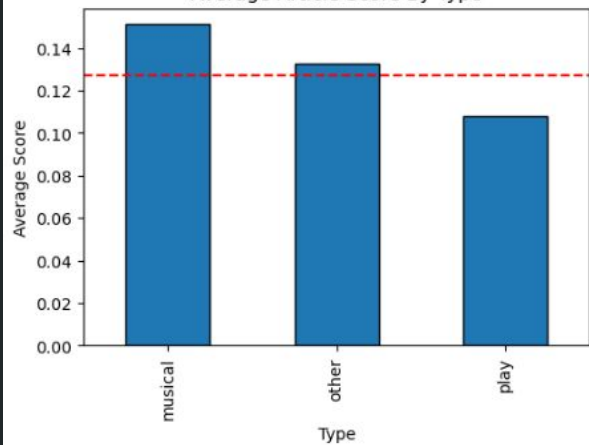
Our focus



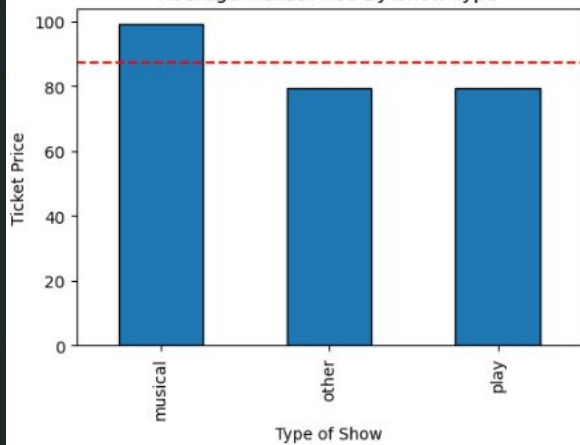




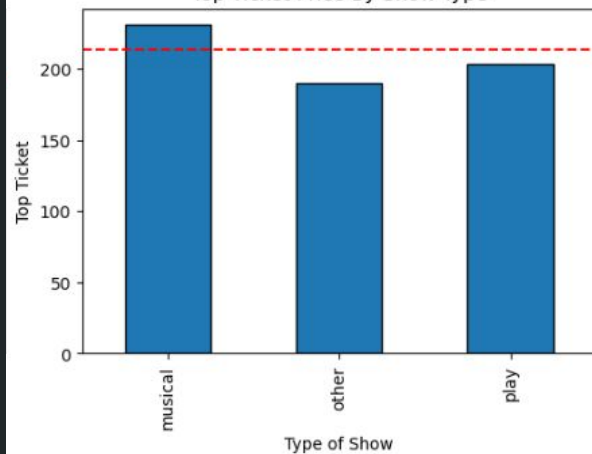
Average Article Score By Type



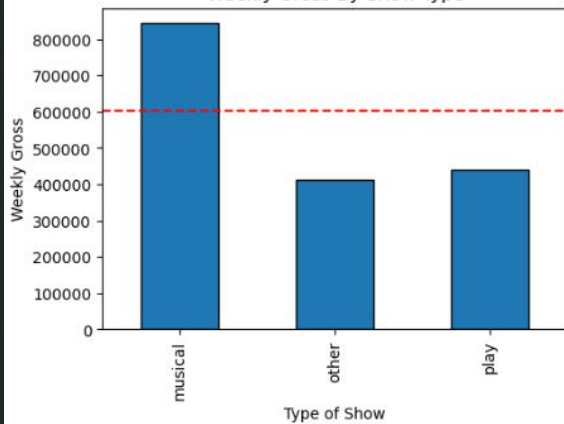
Average Ticket Price By Show Type



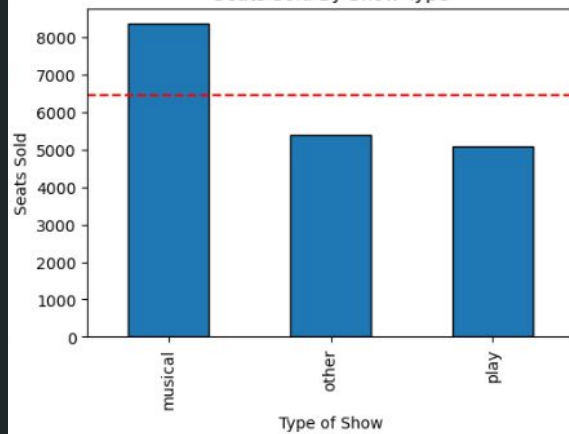
Top Ticket Price By Show Type



Weekly Gross By Show Type



Seats Sold By Show Type



What's next?

- Crawl more websites
- Reviews from critics AND audience
- More effective web scraping tool?

