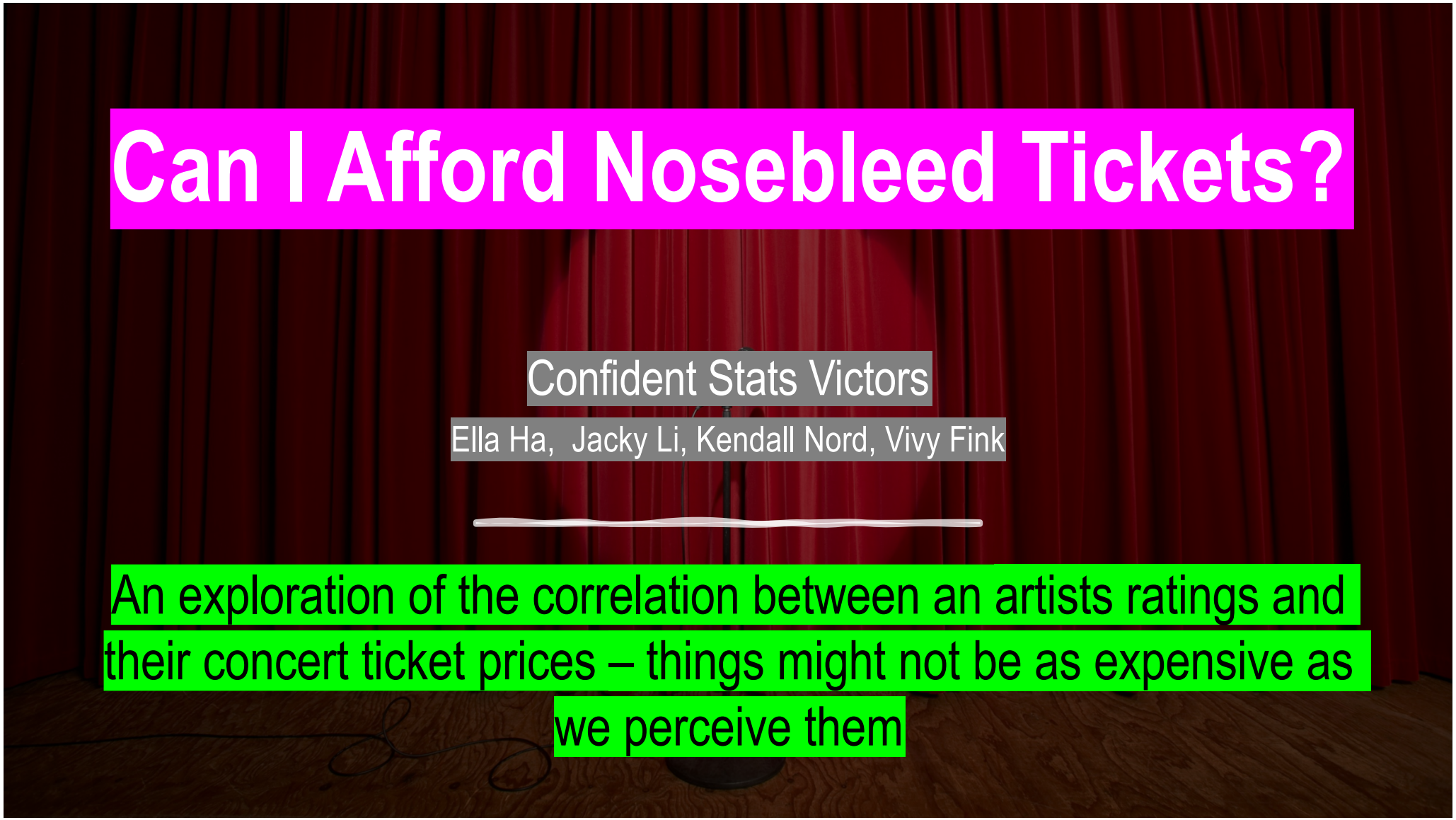


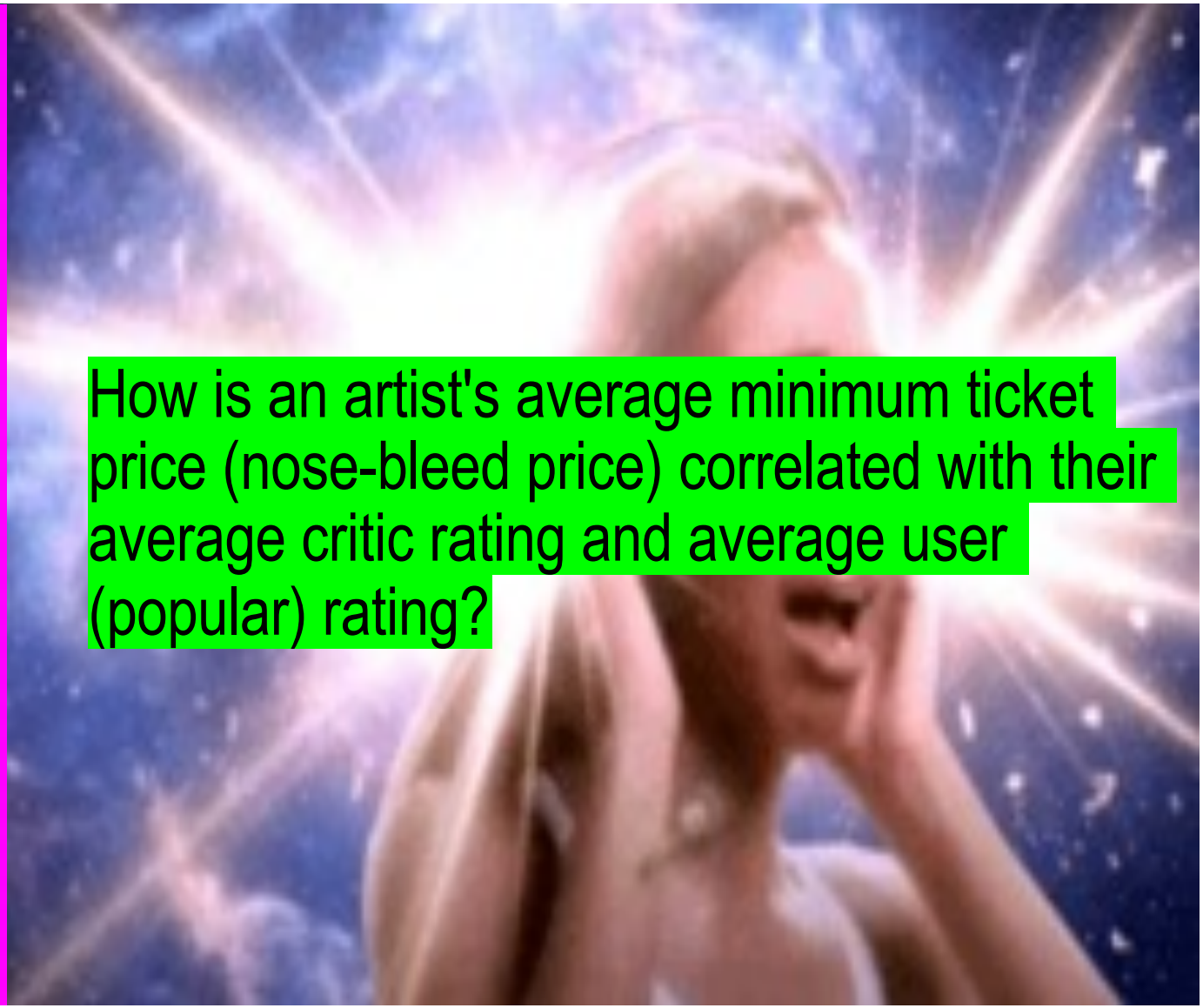
Can I Afford Nosebleed Tickets?

Confident Stats Victors

Ella Ha, Jacky Li, Kendall Nord, Vivy Fink

An exploration of the correlation between an artists ratings and their concert ticket prices – things might not be as expensive as we perceive them

Research Question



How is an artist's average minimum ticket price (nose-bleed price) correlated with their average critic rating and average user (popular) rating?

Data Sets

album_ratings

Artist name

Metacritic critic score

Metacritic user score

AOTY critic score

AOTY user score

summarized_data

this data set was created by using a full_join() function to combine the album_ratings and ticket_data data sets

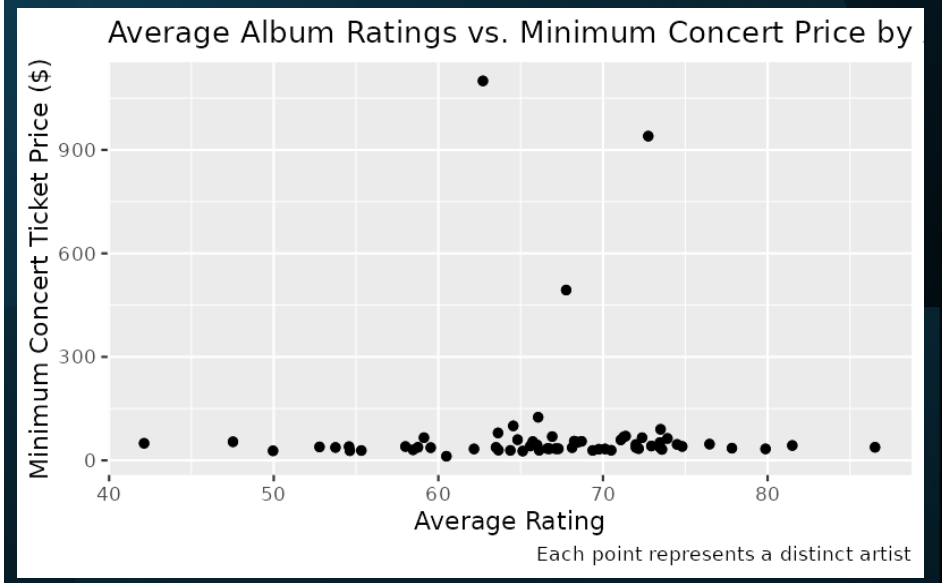
ticket_data

Artist name

Minimum ticket price

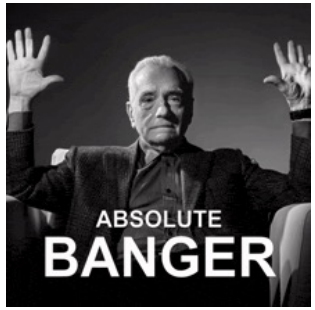


Outlier Analysis

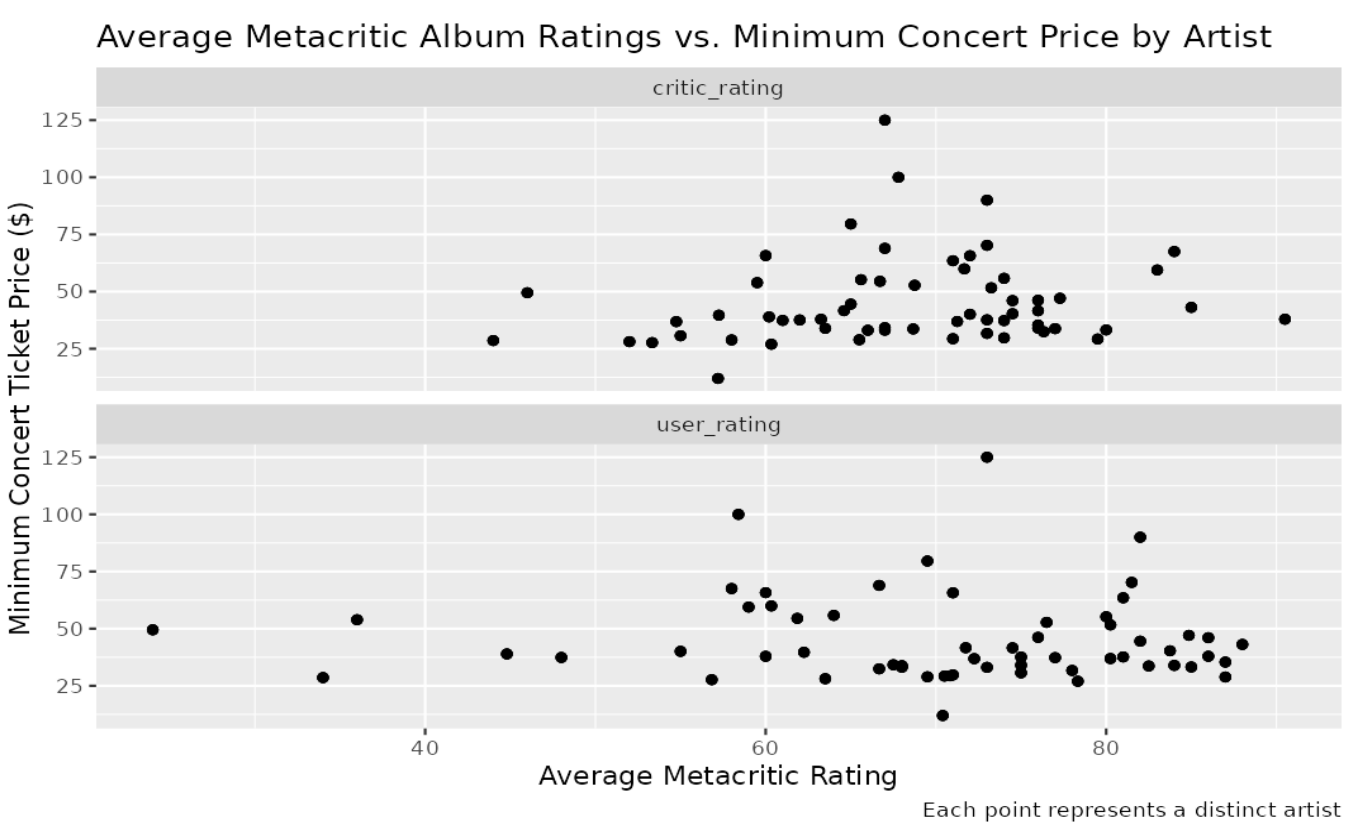


- We identified three outlier Artists in our data set:
  - Eminem: avg_price = $493.78
  - Khalid: avg_price = $1,100
  - The Weeknd: avg_price = $939.89

- The data we analyzed for these three artists all came from international concert venues, which we hypothesize may be correlated to their increased minimum ticket prices



Price v. Metacritic User v. Critic Rating
Graphs

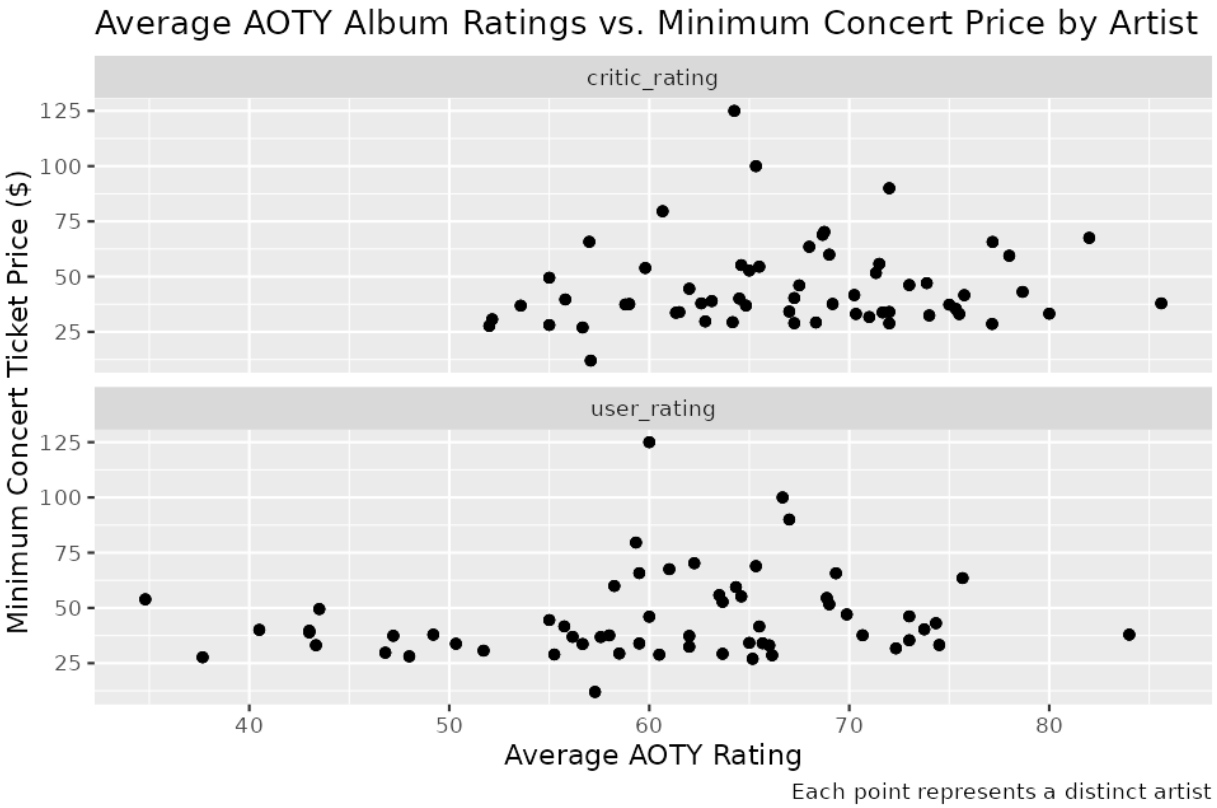


r= 0.153

r= -0.0605



Price v. AOTY User v. Critic Rating
Graphs



r= 0.0991

r= 0.173

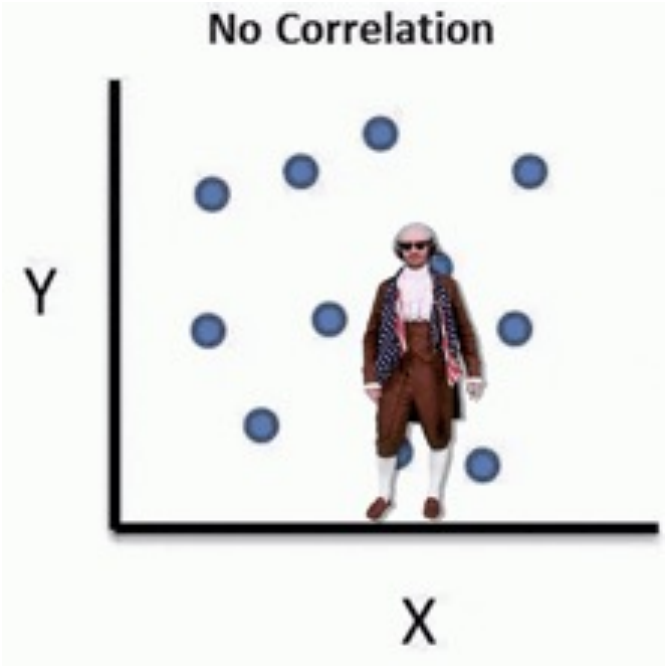


Regression Analysis

Correlation strength:

metacritic_critic	metacritic_user	aoty_critic	aoty_user
<dbl>	<dbl>	<dbl>	<dbl>
0.153	−0.0605	0.0991	0.173

- It appears that there is no clear linear relationship between average album ratings and minimum concert ticket prices (it is very weak).
- Other possible factors such as venue size and location may also explain ticket prices.



Conclusions!!

- Album ratings do not appear to have a strong linear relationship with minimum ticket prices.
- Even if there was a correlation, a limit of our analysis is that we used observational data and as such, we cannot draw a causal conclusion.



THANK YOU<3