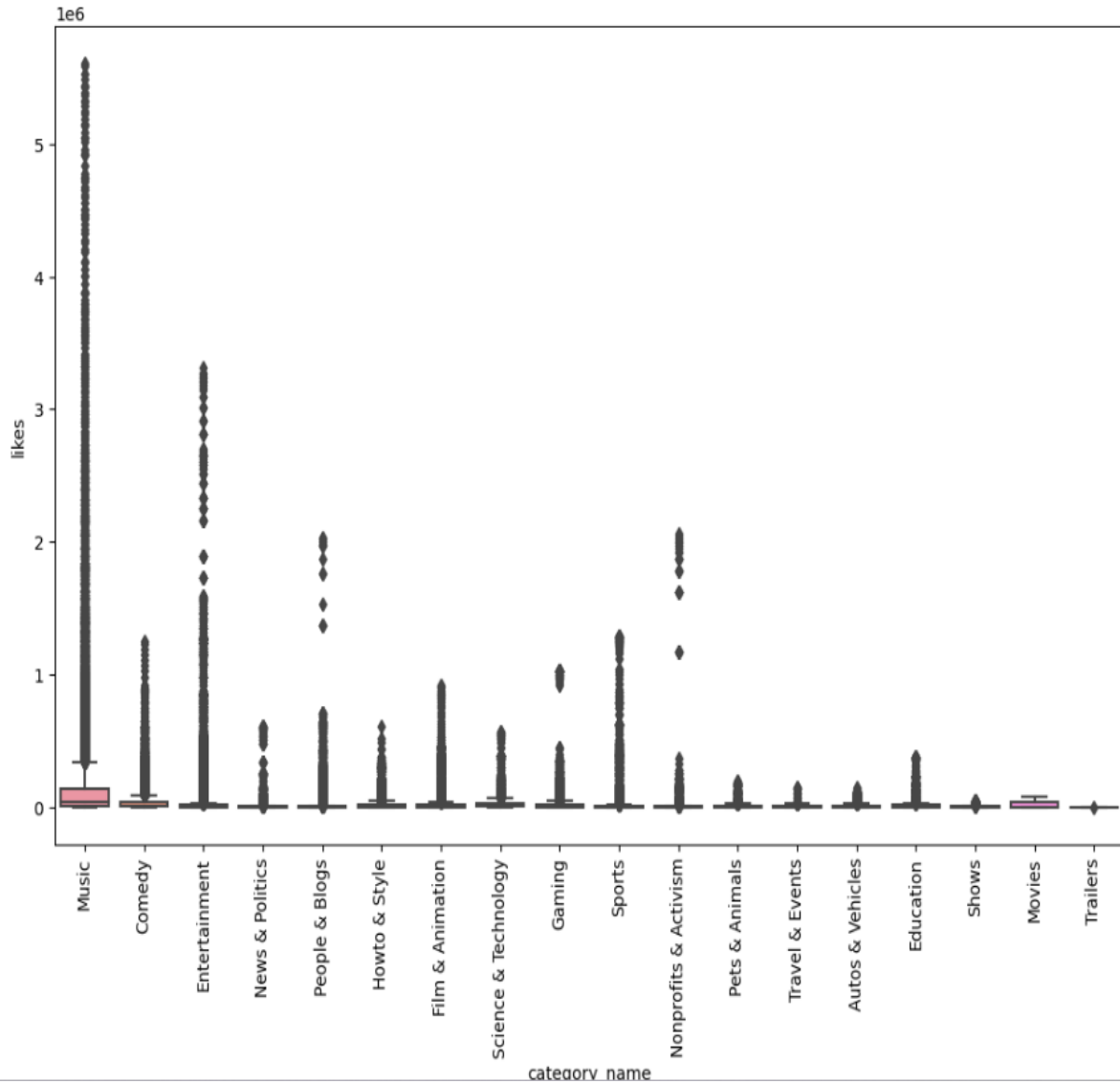


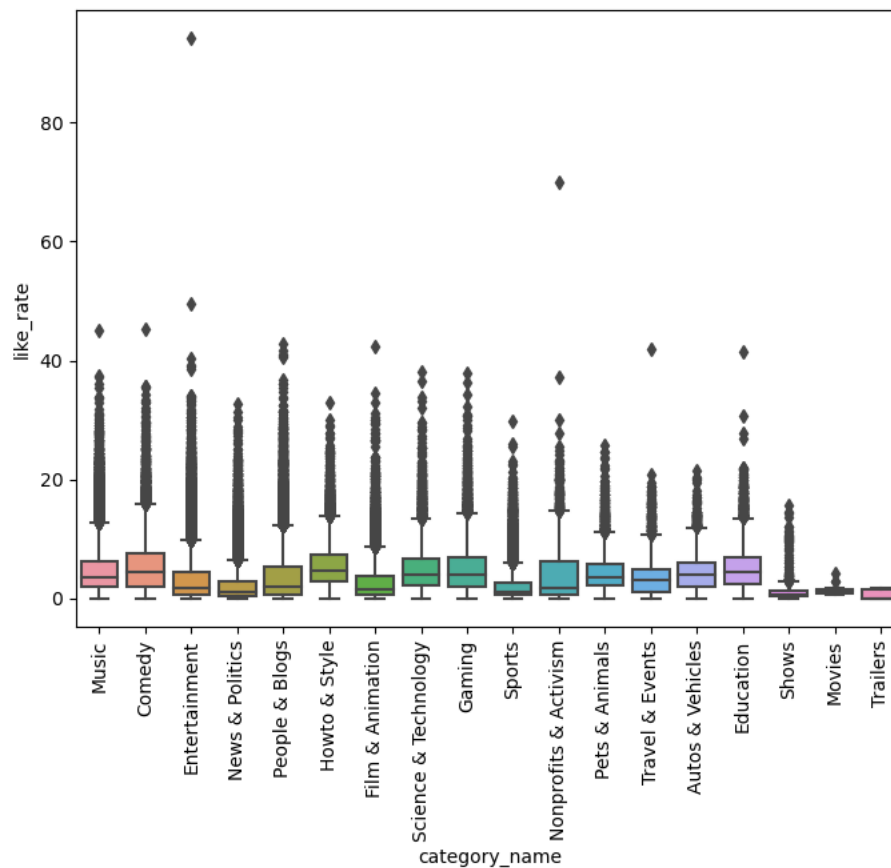
## Box Plot (Likes vs. Video Categories):

- The first box plot compares the distribution of 'likes' across different video categories.
- It helps visualize the spread and central tendency of likes for each category.
- Useful for understanding how video category impacts the number of likes.



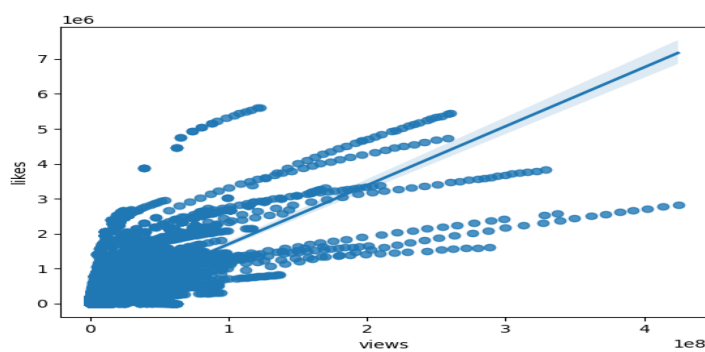
### Box Plot (Like Rate vs. Video Categories):

- The second box plot compares the distribution of 'like\_rate' (likes per view) across video categories.
- It provides insights into audience engagement with videos in different categories.
- Helpful for analyzing the relative popularity of categories.



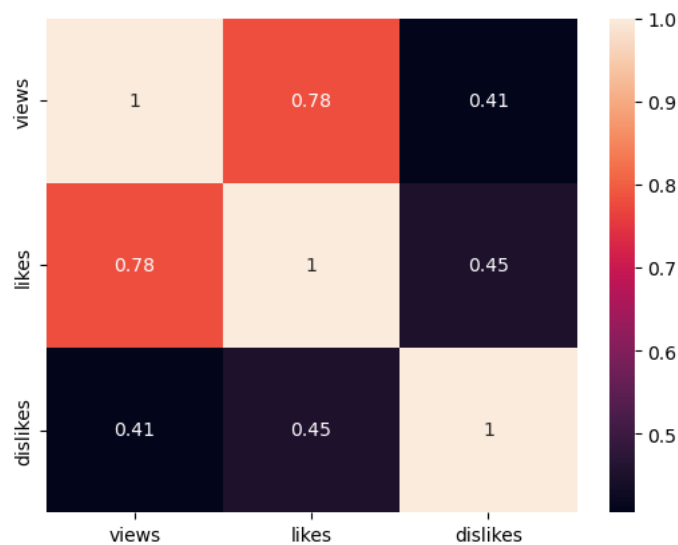
### Regression Plot (Views vs. Likes):

- This regression plot shows the relationship between the number of 'views' and the number of 'likes' for videos.
- It helps identify if there's a linear correlation between these two variables.
- **Its straight line shows that as number of views will increase then number of likes will also increase**



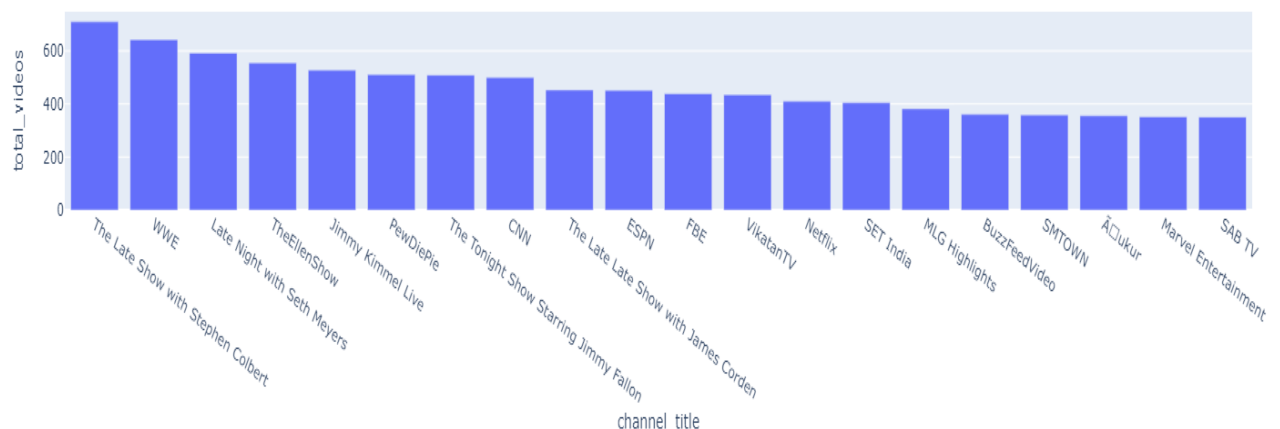
## Heatmap ("The heatmap illustrates the correlation matrix among the variables 'views,' 'likes,' and 'dislikes'):

- The correlation between 'views' and 'likes' signifies how the number of views relates to the number of likes a video receives. (if views will be increase by 100 then likes will be increase by 78)
- The correlation between 'views' and 'dislikes' measures the relationship between the number of views and the number of dislikes.
- The correlation between 'likes' and 'dislikes' gauges the connection between the number of likes and the number of dislikes.



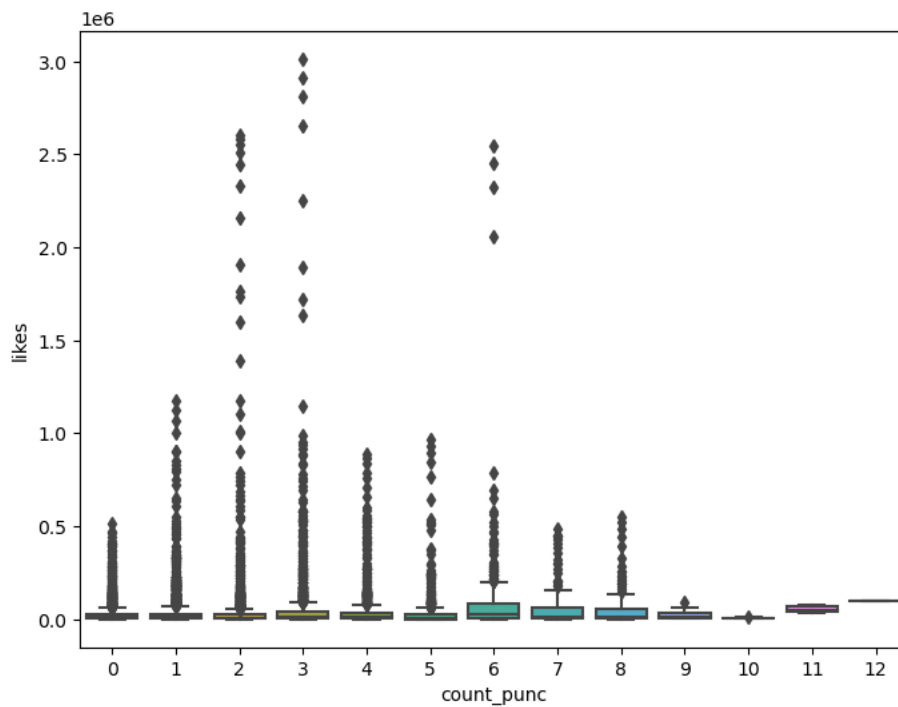
## Bar Chart (Top 20 Channel Titles):

- The bar chart displays the top 20 channel titles based on a specific criterion (could be views, likes, etc.).
- Each bar represents a channel title, and the height represents the corresponding metric.
- It's useful for identifying the most influential or popular channels.



### Box Plot (Views vs. Punctuation Count):

- The first box plot examines how the count of punctuation in video titles affects the number of 'views.'
- It provides insights into whether the use of punctuation has any impact on views.



### Box Plot (Likes vs. Punctuation Count):

- The second box plot investigates the relationship between the count of punctuation in video titles and the number of 'likes.'
- It helps determine if there's a correlation between punctuation and likes.

