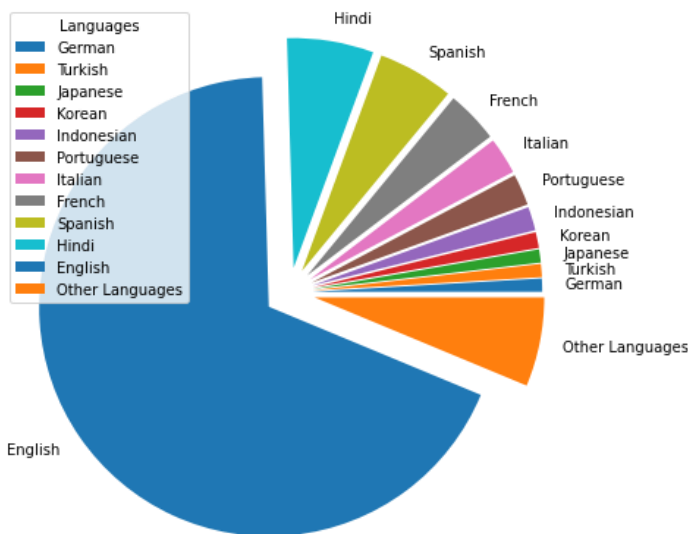
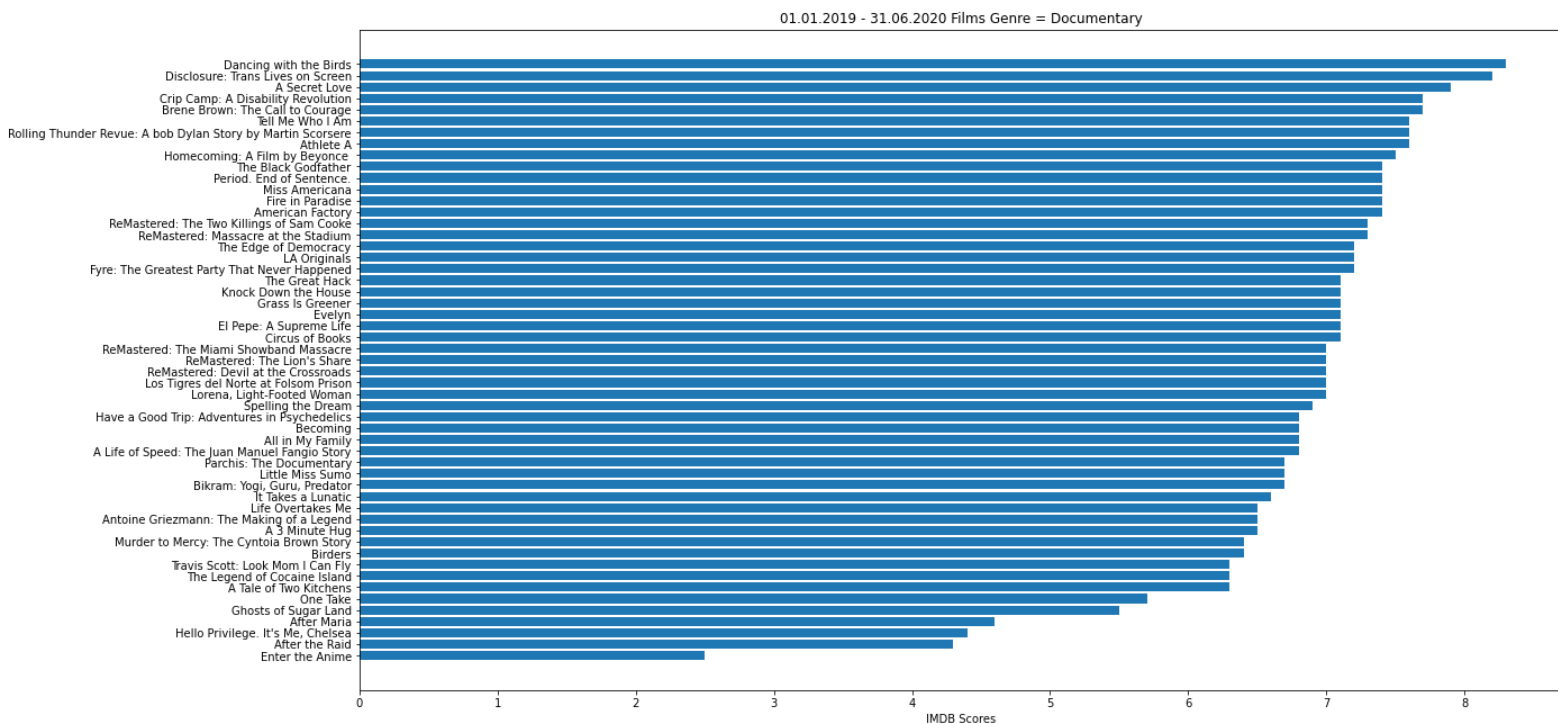


Q1: What are the languages of the long-running movies in dataset? Visualize.



Q2: Evaluate IMDB scores of the movies shot in the genre of Documentary between 2019 January and 2020 June and visualize.



Q3: What genre has the highest IMDB score among movies made in English?

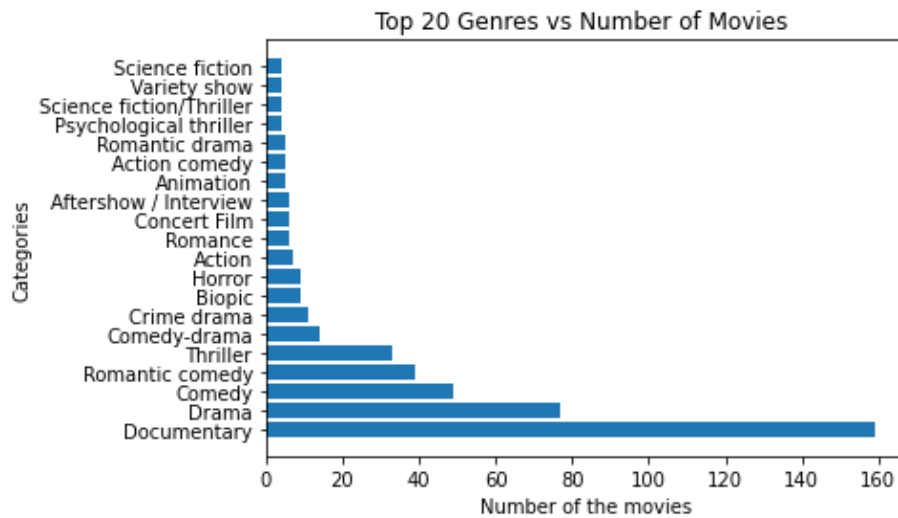
The highest IMDB score among movies made in English is Documentary.

Q4: What is the average runtime of Hindi movies?

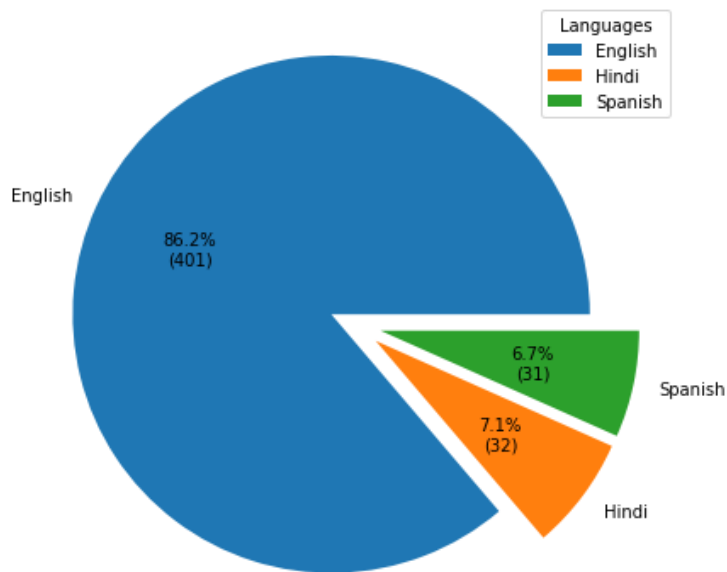
There are 33 times movie, that language is Hindi, and their average Runtime is: 115.79

Q5: How many categories are in the genre column and what are these categories? Visualize.

Number of Genre categories is 115.



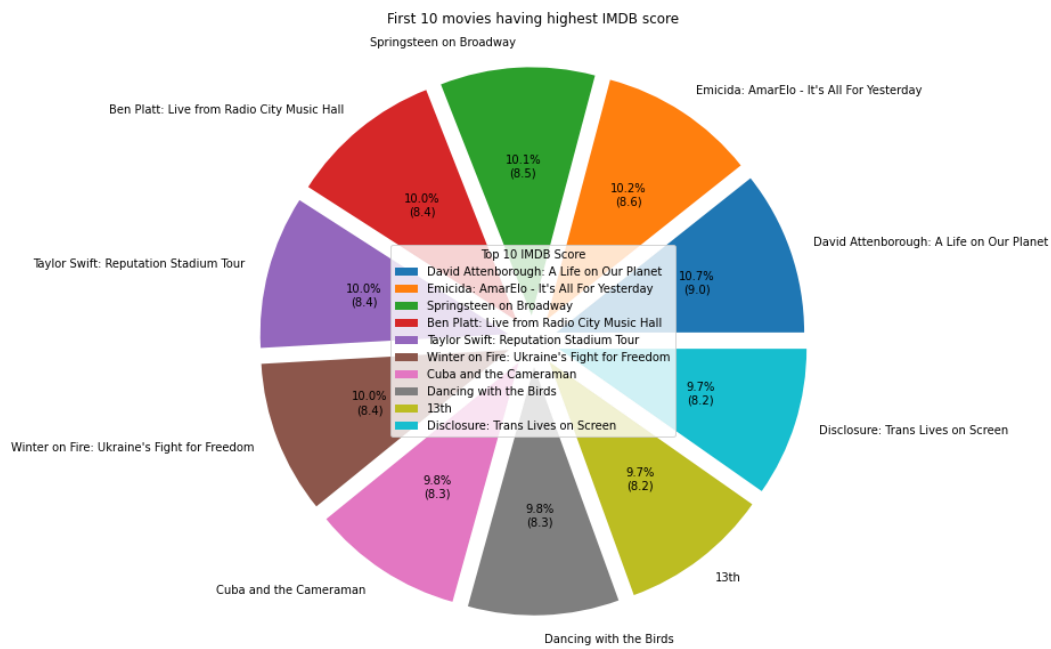
Q6: Find three most used languages in the dataset.



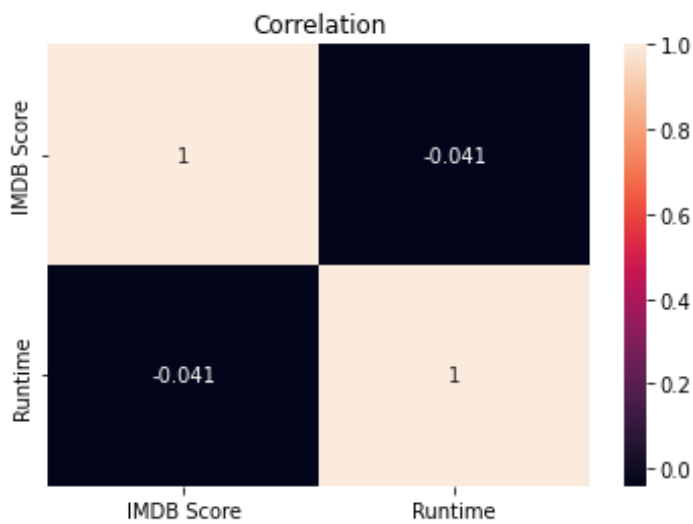
Q7: What are the first 10 movies having highest IMDB score?

First 10 movies having highest IMDB score:

- 1 : David Attenborough: A Life on Our Planet
- 2 : Emerica: AmarElo - It's All For Yesterday
- 3 : Springsteen on Broadway
- 4 : Ben Platt: Live from Radio City Music Hall
- 5 : Taylor Swift: Reputation Stadium Tour
- 6 : Winter on Fire: Ukraine's Fight for Freedom
- 7 : Cuba and the Cameraman
- 8 : Dancing with the Birds
- 9 : 13th
- 10 : Disclosure: Trans Lives on Screen

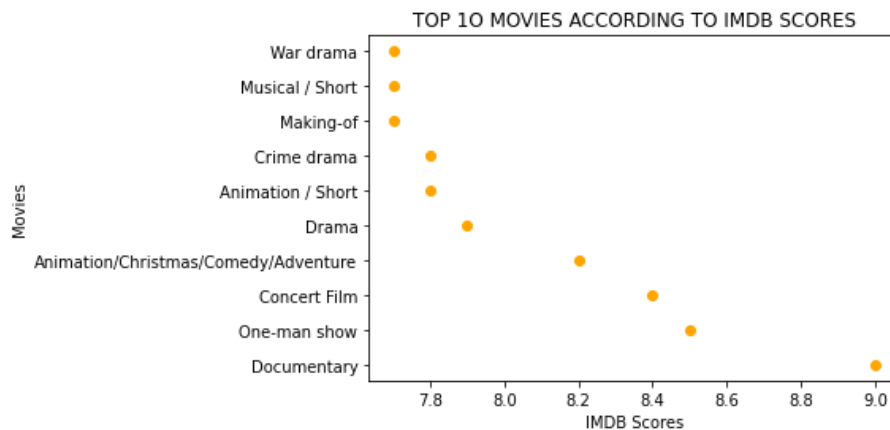


Q8: What is the correlation between IMDB Score and Runtime? Analyze and visualize.



As observed from heatmap, there is no significant correlation between IMDB Score and Runtime.

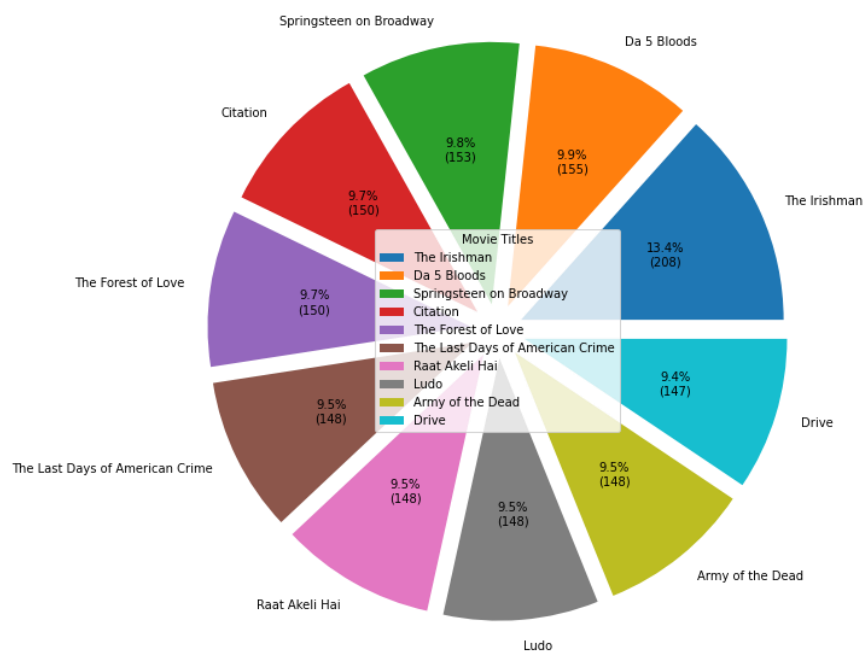
Q9: What are the first 10 Genre having highest IMDB score? Visualize.



Q10: What are the first 10 movies having highest runtime value?

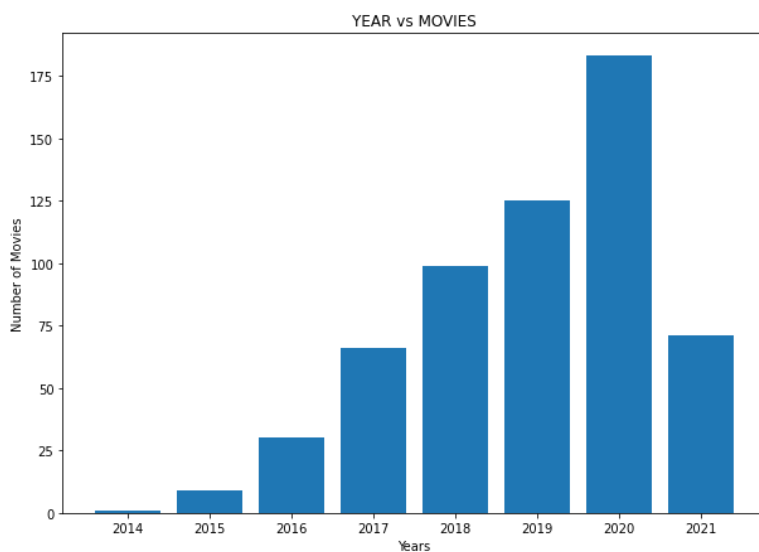
First 10 movies having highest runtime

- 1 : The Irishman
- 2 : Da 5 Bloods
- 3 : Springsteen on Broadway
- 4 : Citation
- 5 : The Forest of Love
- 6 : The Last Days of American Crime
- 7 : Raat Akeli Hai
- 8 : Ludo
- 9 : Army of the Dead
- 10 : Drive



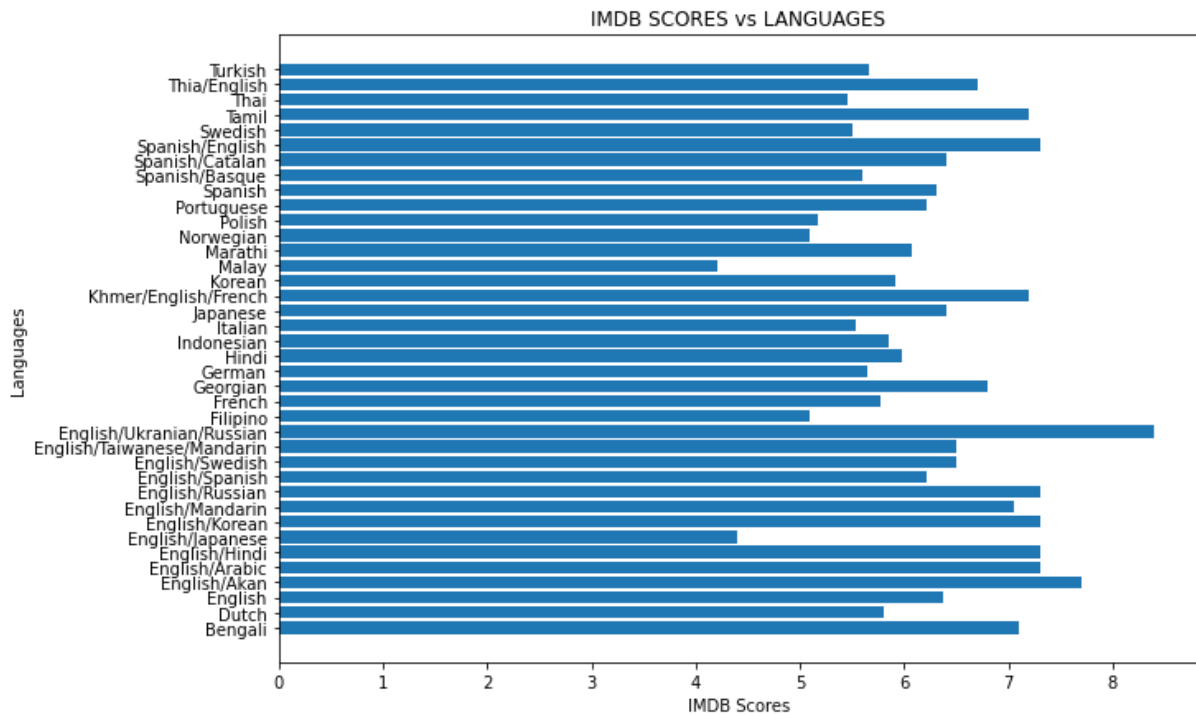
Q11: In which year was the most movies released? Visualize.

The year that contains maximum premiere date is 2020 with 183 movies.



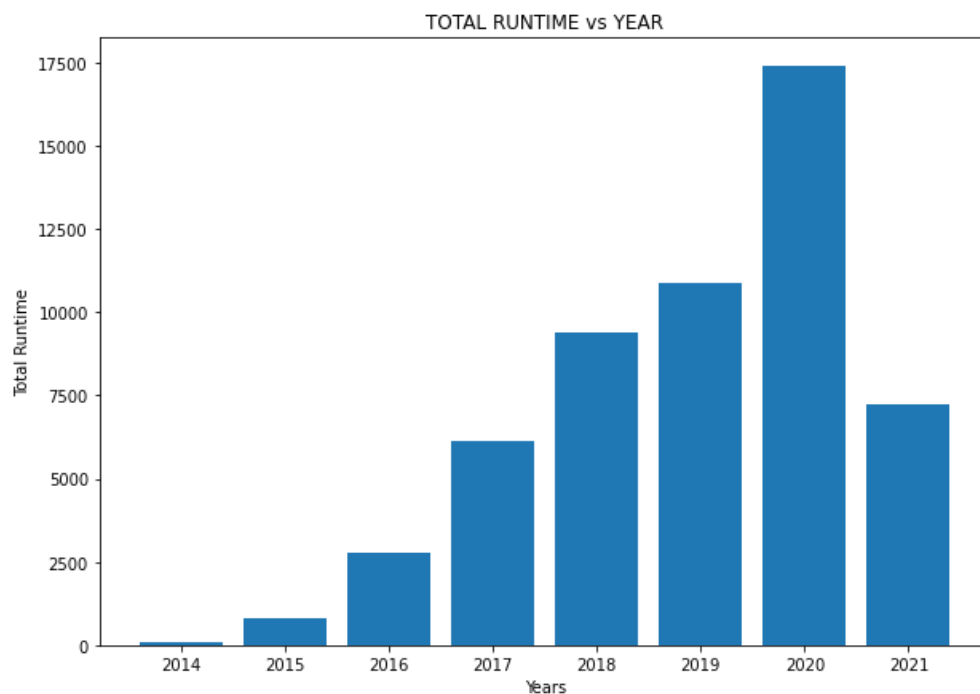
Q12: What are the languages of the movies having lowest average IMDB score? Visualize.

The language that has the smallest IMDB Score is Malay with 4.2 points.



Q13: Which year has the highest total runtime value?

The year that has the biggest sum of Runtime is 2020 with 17384 counts.

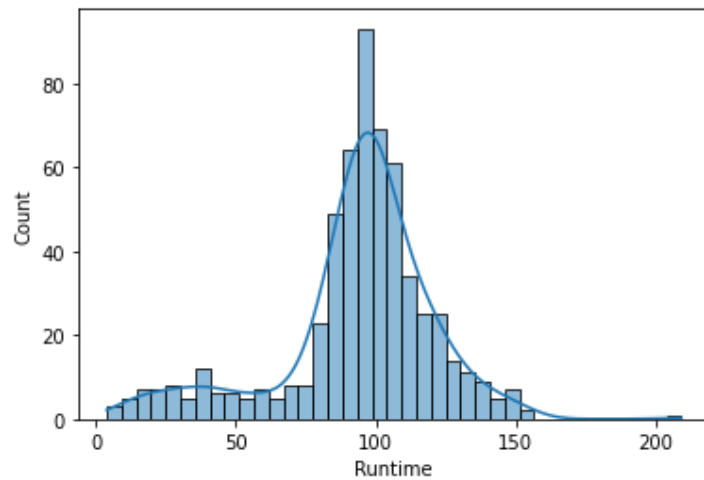


Q14: What is the genre which each language is used the most?

Language	
Bengali	Documentary
Dutch	Romantic comedy
English	Documentary
English/Akan	War drama
English/Arabic	Documentary
English/Hindi	Documentary
English/Japanese	Documentary
English/Korean	Action-adventure
English/Mandarin	Documentary
English/Russian	Documentary
English/Spanish	Documentary
English/Swedish	Documentary
English/Taiwanese/Mandarin	Drama
English/Ukrainian/Russian	Documentary
Filipino	Drama
French	Documentary
Georgian	Documentary
German	Thriller
Hindi	Drama
Indonesian	Drama
Italian	Drama
Japanese	Anime/Science fiction
Khmer/English/French	Drama
Korean	Drama
Malay	Action comedy
Marathi	Drama
Norwegian	Horror
Polish	Horror
Portuguese	Comedy
Spanish	Documentary
Spanish/Basque	Black comedy
Spanish/Catalan	Documentary
Spanish/English	Documentary
Swedish	Thriller
Tamil	Drama
Thai	Horror
Thia/English	Documentary
Turkish	Comedy

Q15: Is there any outlier data in dataset? Explain.

There is outlier value in Runtime category due to mean is 93.37907375643225 which is not np.nan!



There is outlier value in IMDB Score category due to mean is 6.2717465753424655 which is not np.nan!

