

# CAPSTONE PROJECT

## EXPLORING FANDANGO DISPLAYED SCORES VERSUS TRUE USER RATINGS

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## OUTLINE

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- **Proposed System/Solution**
- **System Development Approach**
- **Algorithm & Deployment**
- **Result**
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# PROBLEM STATEMENT

Explore the relationship between popularity of a film and its rating

# PROPOSED SOLUTION

*Explore the relationship between popularity of a film and its rating*

*A scatterplot showing the relationship between rating and votes*

# SYSTEM APPROACH

*Jupiter notebook*

# ALGORITHM & DEPLOYMENT

- *Comparison of Fandango Ratings to Other Sites*
- *a scatterplot exploring the relationship between RT Critic reviews and RT User reviews*
- *Calculate the Mean Absolute Difference between RT scores and RT User scores as described above*
- *create a distribution showing the **absolute value** difference between Critics and Users on Rotten Tomatoes.*
- *Display a scatterplot of the Metacritic Rating versus the Metacritic User rating.*

# RESULT

Find a movie original ratings and find the scam

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In [42]:

df['RT\_Norm'] = np.round(df['RottenTomatoes']/20, 1)  
df['RTU\_Norm'] = np.round(df['RottenTomatoes\_User']/20, 1)

In [47]:

df['Meta\_Norm'] = np.round(df['Metacritic']/20, 1)  
df['Meta\_U\_Norm'] = np.round(df['Metacritic\_User']/2, 1)

In [44]:

df['IMDB\_Norm'] = np.round(df['IMDB']/2, 1)

In [48]:

df.head()

Out[48]:

	FILM	STARS	RATING	VOTES	YEAR	RottenTomatoes	RottenTomatoes_User	Metacritic	Metacritic_User	IMDB	Metacr
0	Fifty Shades of Grey (2015)	4.0	3.9	34846	2015)	25	42	46	3.2	4.2	
1	Jurassic World (2015)	4.5	4.5	34390	2015)	71	81	59	7.0	7.3	
2	American Sniper (2015)	5.0	4.8	34085	2015)	72	85	72	6.6	7.4	
3	Furious 7 (2015)	5.0	4.8	33538	2015)	81	84	67	6.8	7.4	
4	Inside Out (2015)	4.5	4.5	15749	2015)	98	90	94	8.9	8.6	

TASK: Now create a norm\_scores DataFrame that only contains the normalizes ratings. Include both STARS and RATING from the original Fandango table.

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# CONCLUSION

- *We can save the money and dont go into the scam*



# FUTURE SCOPE

- It will save the movie and escape from scam websites

# REFERENCES

*Reference from kaggle website*



**THANK YOU**