

# Data Visualisation

Digital experience designer

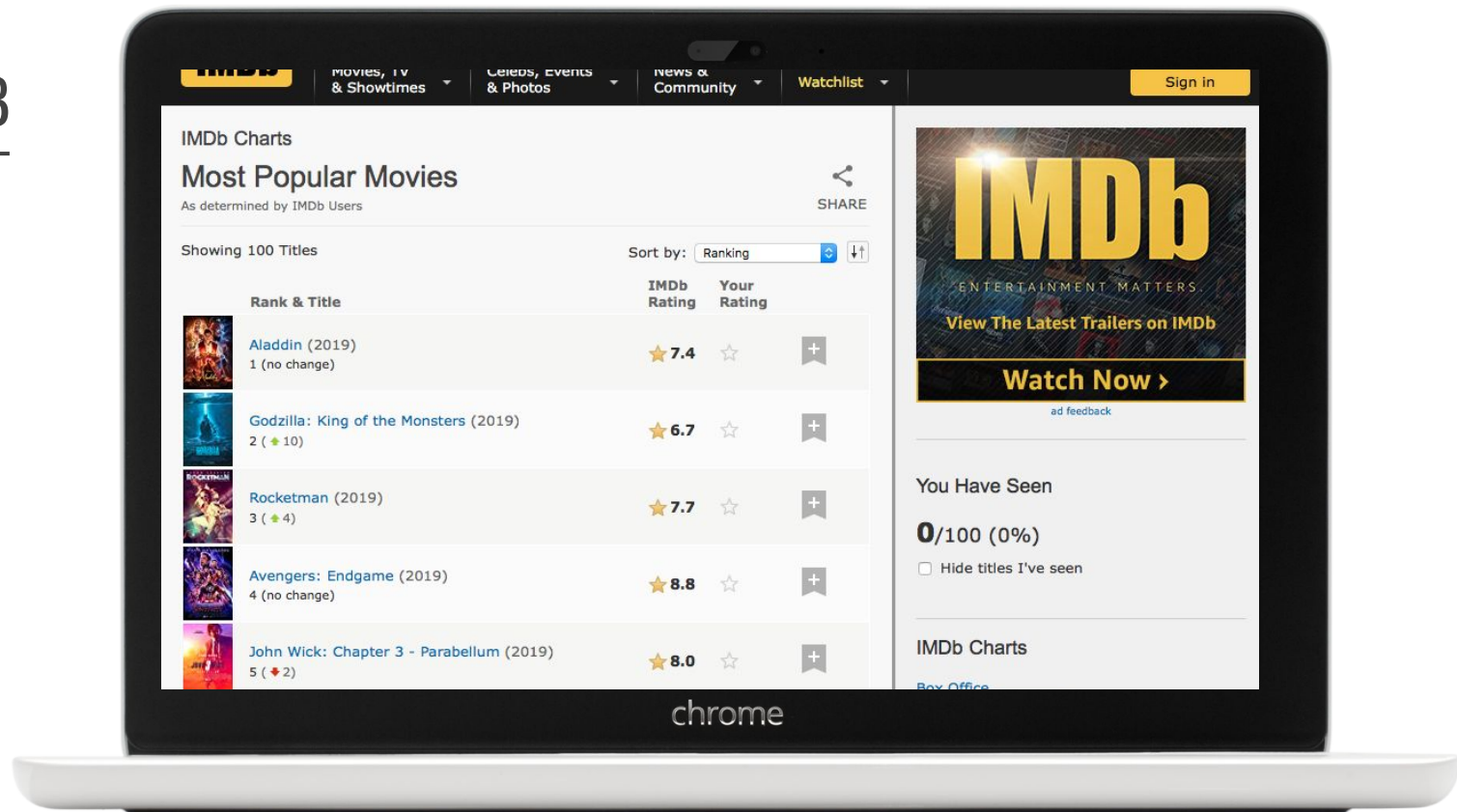
# Topic of analyses : the Internet Movie Database (IMDB)

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Goals :

- to assess correlations between movies' **budgets** and **box-office** grosses. Does spending more money equals making more profit ?
- to understand how **award recognition** affects a movie's success
- to research what's the most popular movie **genre** ? and what does **“popular”** mean for a movie ?

# IMDb



	the Movie	IMDB	Critics(CRS)	Dir_Nominated	Dir_Prized	Writ_Nominated
0	The Survivalist	6,3	77.0	1.0	0.0	1.0
1	Furious 7	7,7	67.0	0.0	0.0	0.0
2	Star Wars: the Force Awakens	8,1	81.0	1.0	0.0	0.0
3	Mad Max :Fury Road	8,1	90.0	1.0	1.0	0.0
4	50 Shades of Grav	4,1	46.0	0.0	0.0	0.0

**Database structure**

PG	13	R	Budget (PB)	Office(US)	20	21	22
0.0	0.0	1.0	1293300	33973	NaN	NaN	NaN
0.0	1.0	0.0	190000000	350034110	NaN	NaN	NaN
0.0	1.0	0.0	245000000	936627416	NaN	NaN	NaN
0.0	0.0	1.0	150000000	153629485	NaN	NaN	NaN

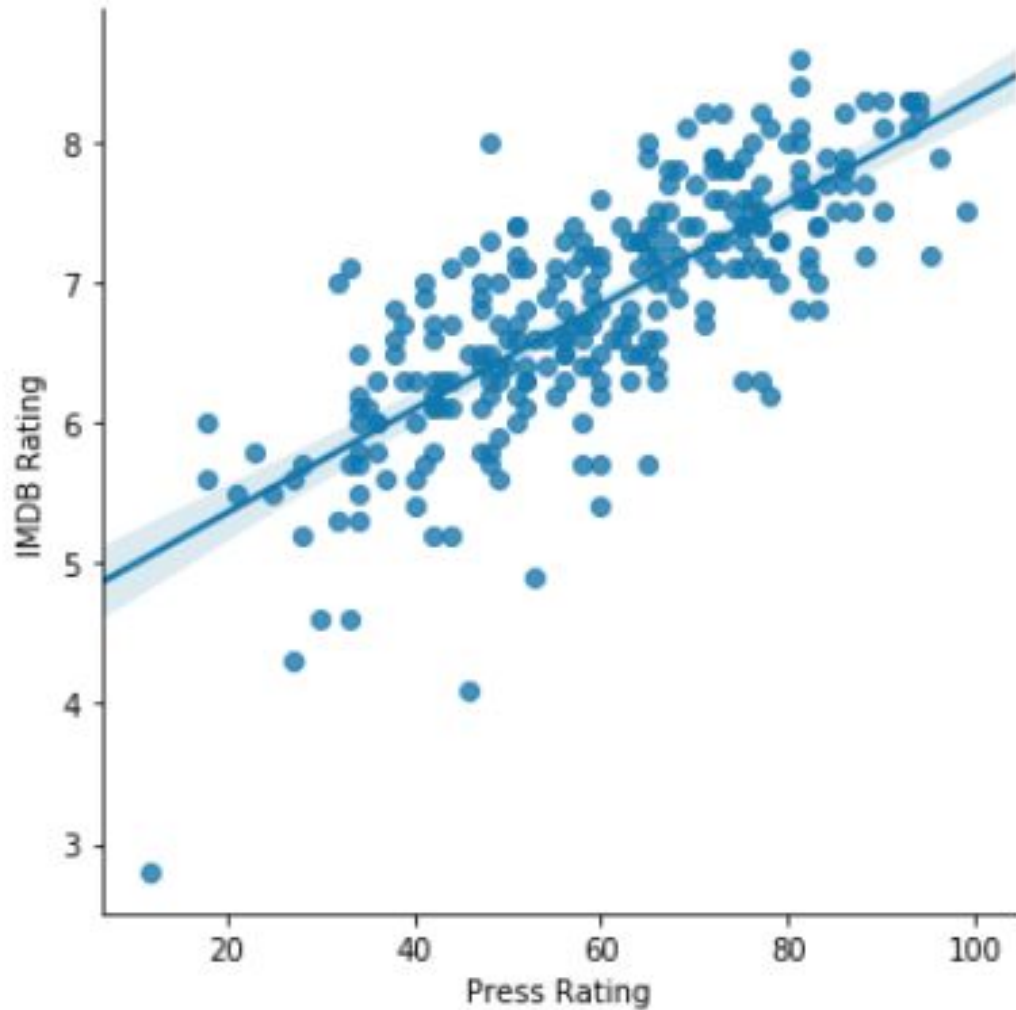
Database structure

	Name of the Movie	IMDB	Critics (CRS)	Dir_Nominated	Dir_Prized
1006	NaN	NaN	NaN	NaN	NaN
1007	NaN	NaN	NaN	NaN	NaN
1008	NaN	NaN	NaN	NaN	NaN
1009	NaN	NaN	NaN	NaN	NaN
1010	NaN	NaN	NaN	NaN	NaN

**Database structure**  
going from 1,000+ rows to 260



# THE PEOPLE VS THE CRITICS







	Movie	IMDB Rating	Press Rating
158	Mother's day	56.0	18.0
190	Dirty Grandpa	60.0	18.0
246	Emoji	28.0	12.0

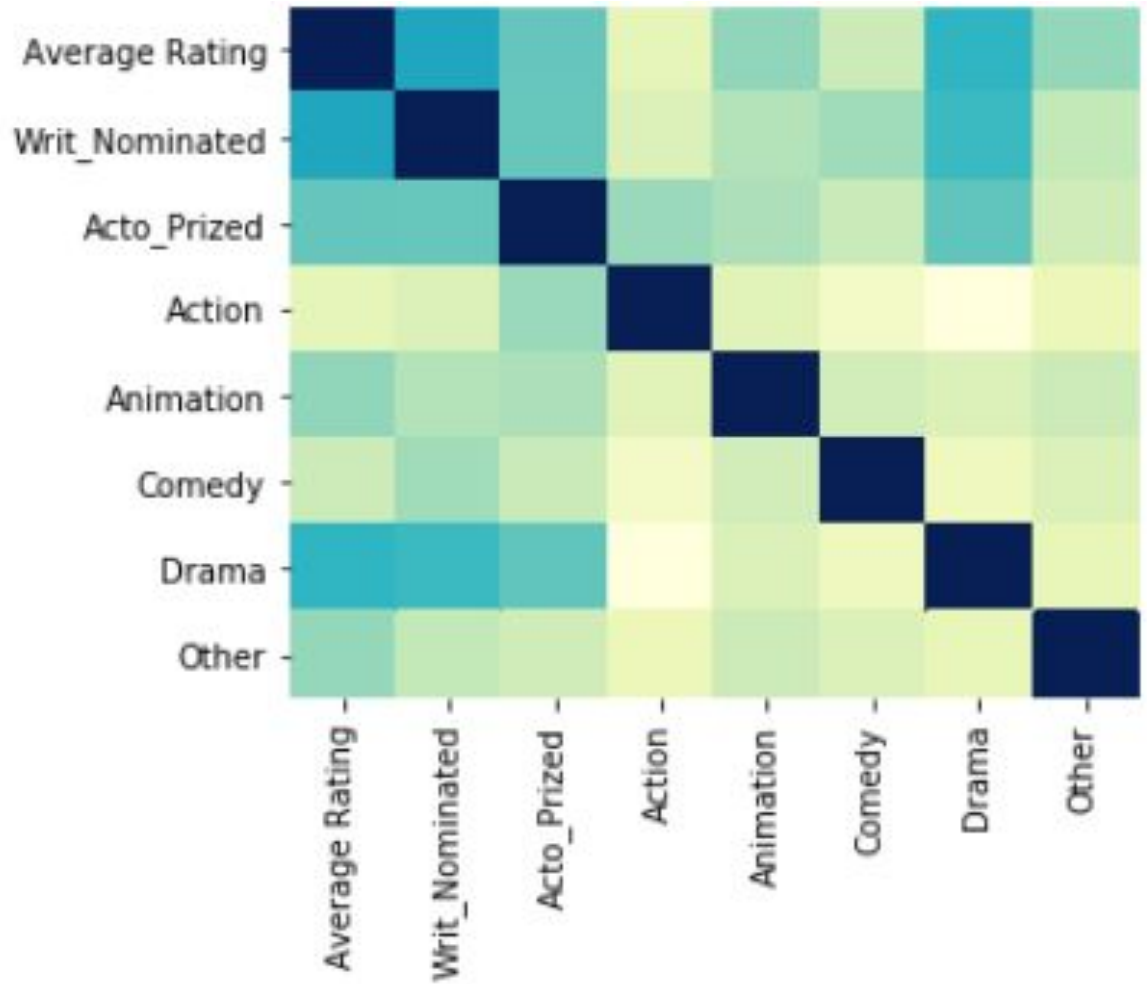


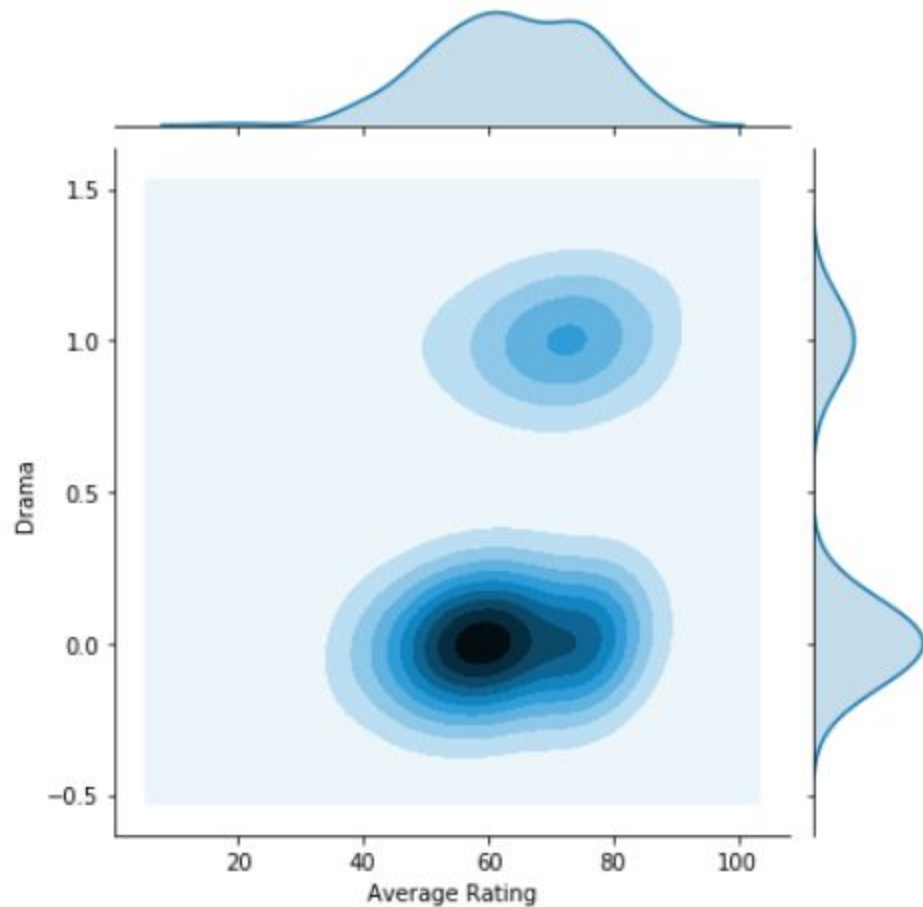


	Movie	IMDB Rating	Press Rating
4	50 Shades of Gray	41.0	46.0
64	Fantastic Four	43.0	27.0
246	Emoji	28.0	12.0



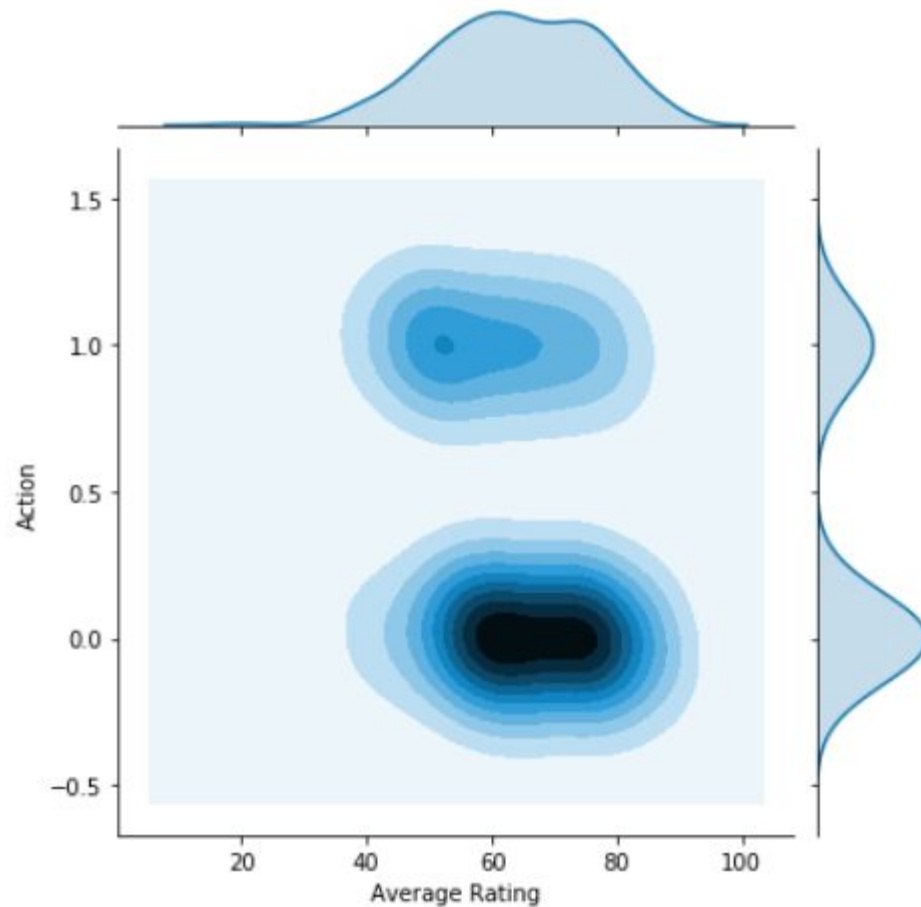
# ABOUT DRAMA MOVIES





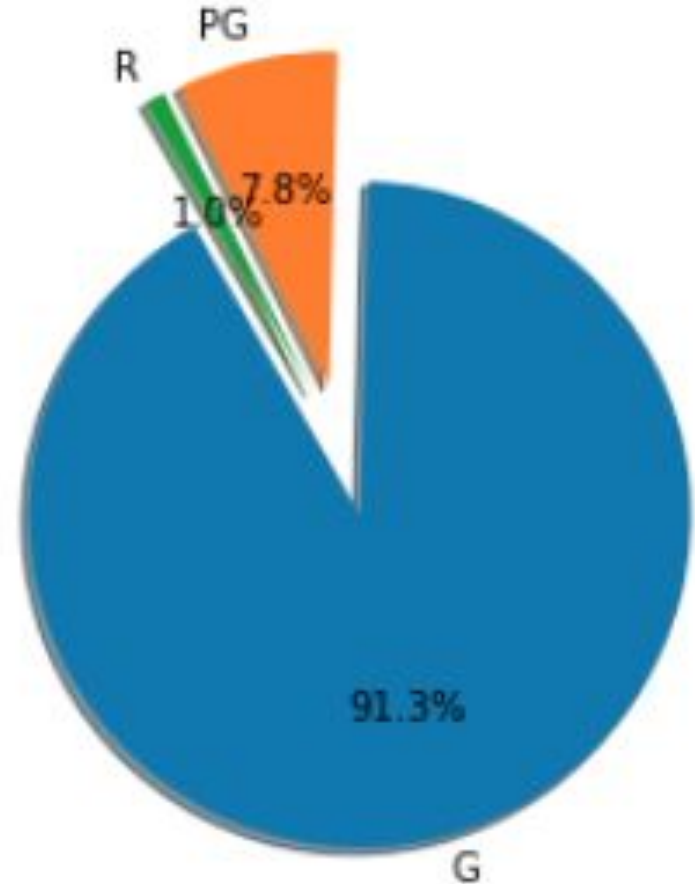
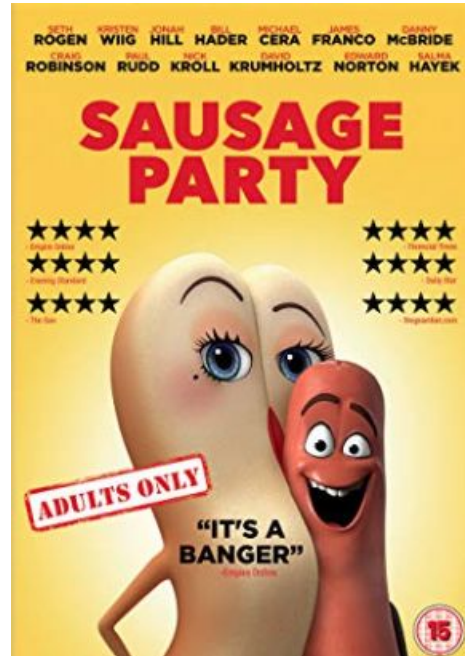
Drama movies have  
an average rating  
of about 15 more  
percentage points  
than movies of  
other genres.

Action movies  
tend to follow  
the opposite  
pattern.





# ANIMATED MOVIES & VIOLENCE





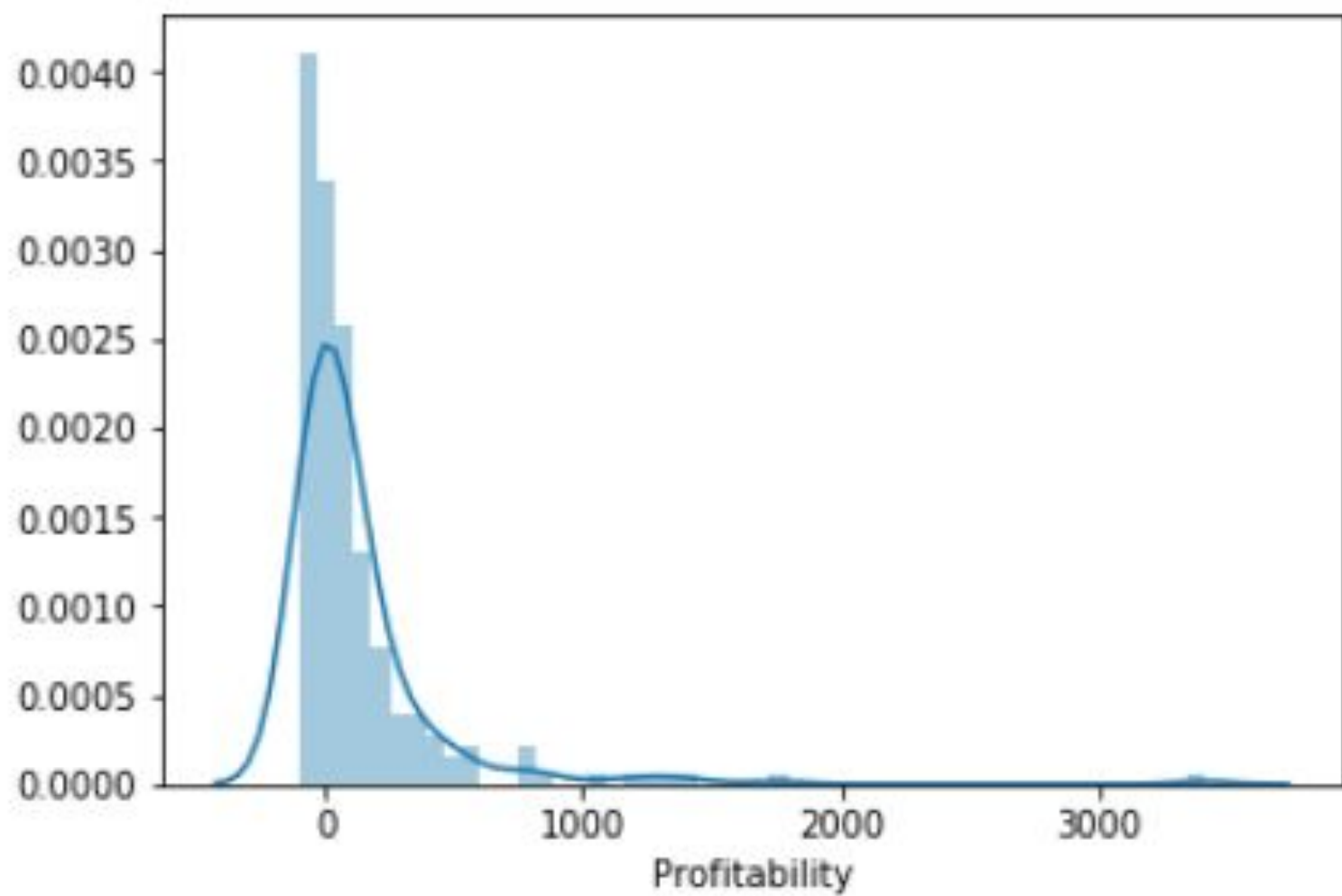
**ABOUT PROFITABILITY :**

Movie	US Gross	Budget	Profitability
A Monster Call	3730982	43000000	-91.323298
By the Sea	531009	10000000	-94.689910
The Survivalist	33973	1293300	-97.373154
Knock Knock	34004	2500000	-98.639840
Mr. Right	25369	8000000	-99.682887

Movie	US Gross	Budget	Profitability
Get Out	175484140	5000000	3409.682800
Moonlight	27850912	1500000	1756.727467
Split	138120085	9000000	1434.667611
Hello, My name is Dorith	14443077	1000000	1344.307700
Lights out	67235683	4900000	1272.156796

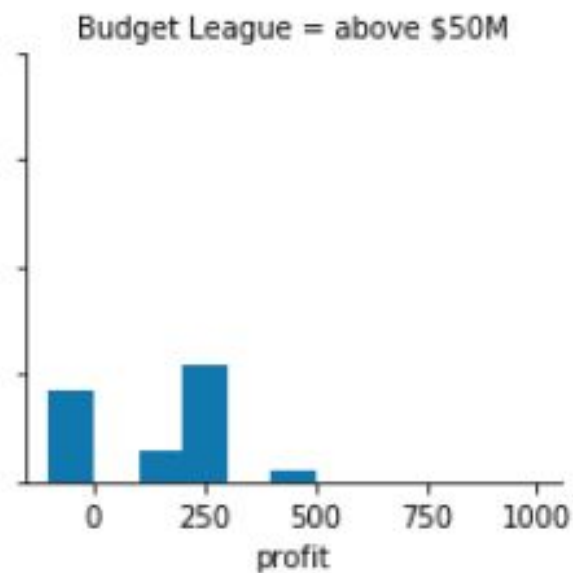
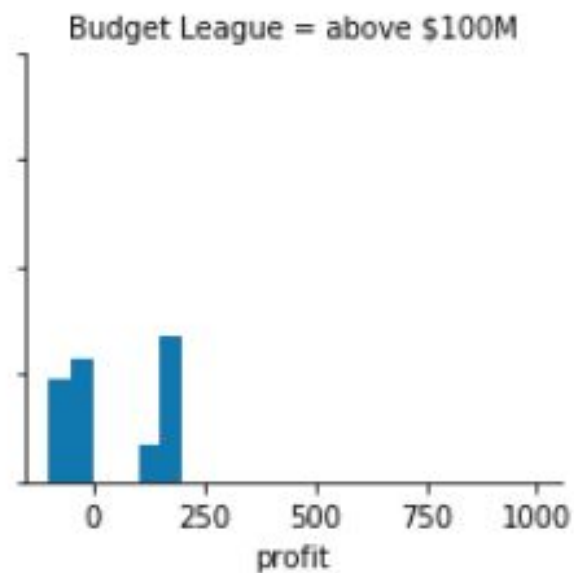
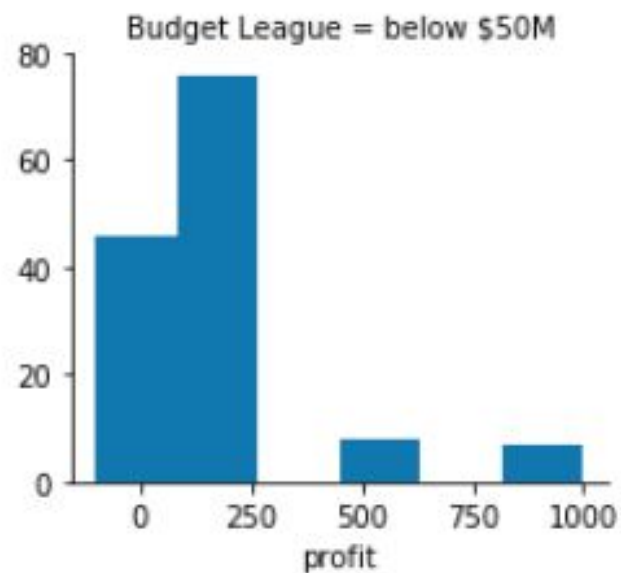






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df[(df['US Gross']>3000000000)&(df.Budget<900000000)]
```





# SEQUELS