

Database from Imdb:

All Movies Since 1990

People

first name

last name

people_id

movies_id: [*

Movie

release date

movie id

genres: [*]

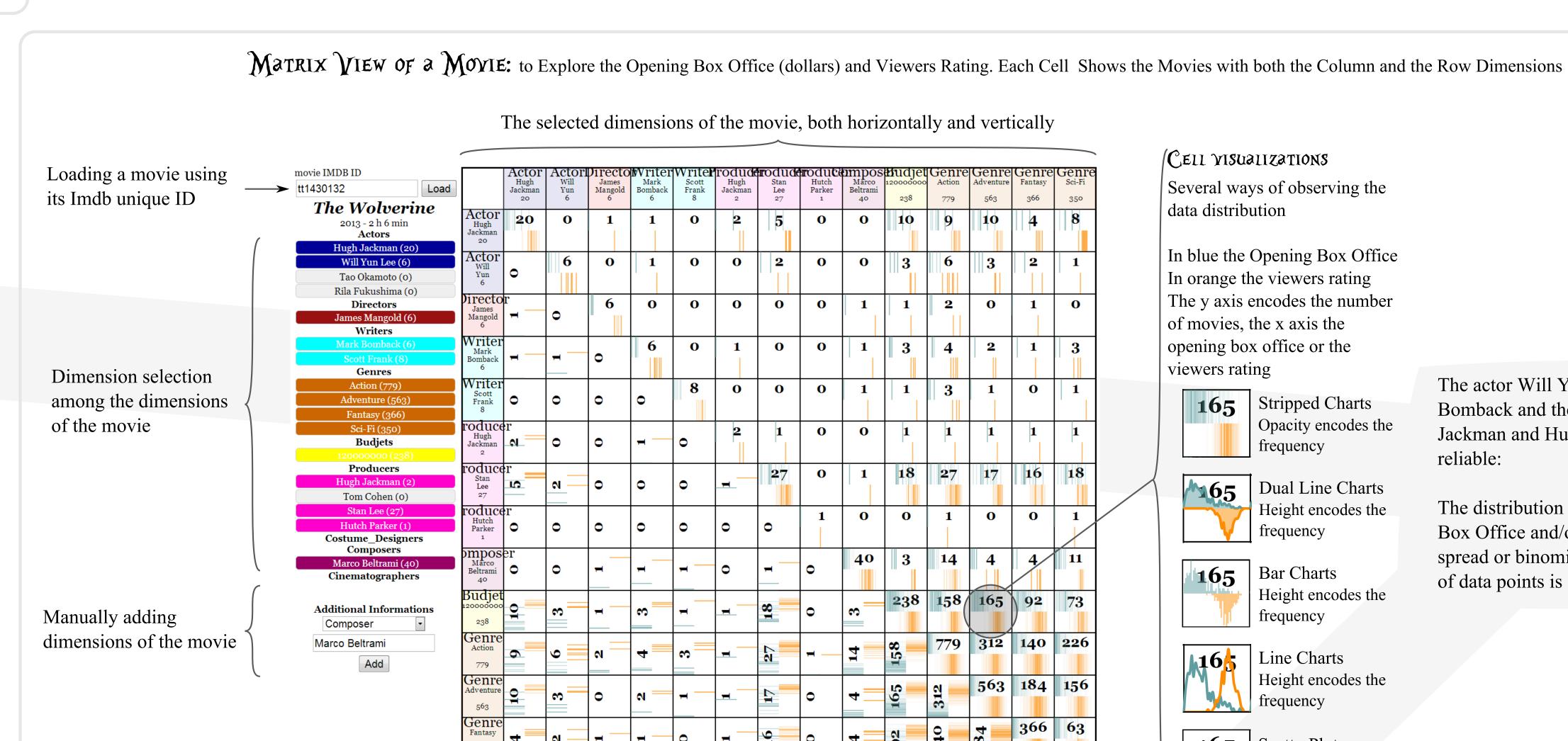
people_ids: [*]

Opening Box Office*

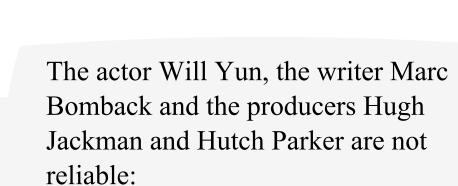
Viewers Rating*

CINEMANIZ

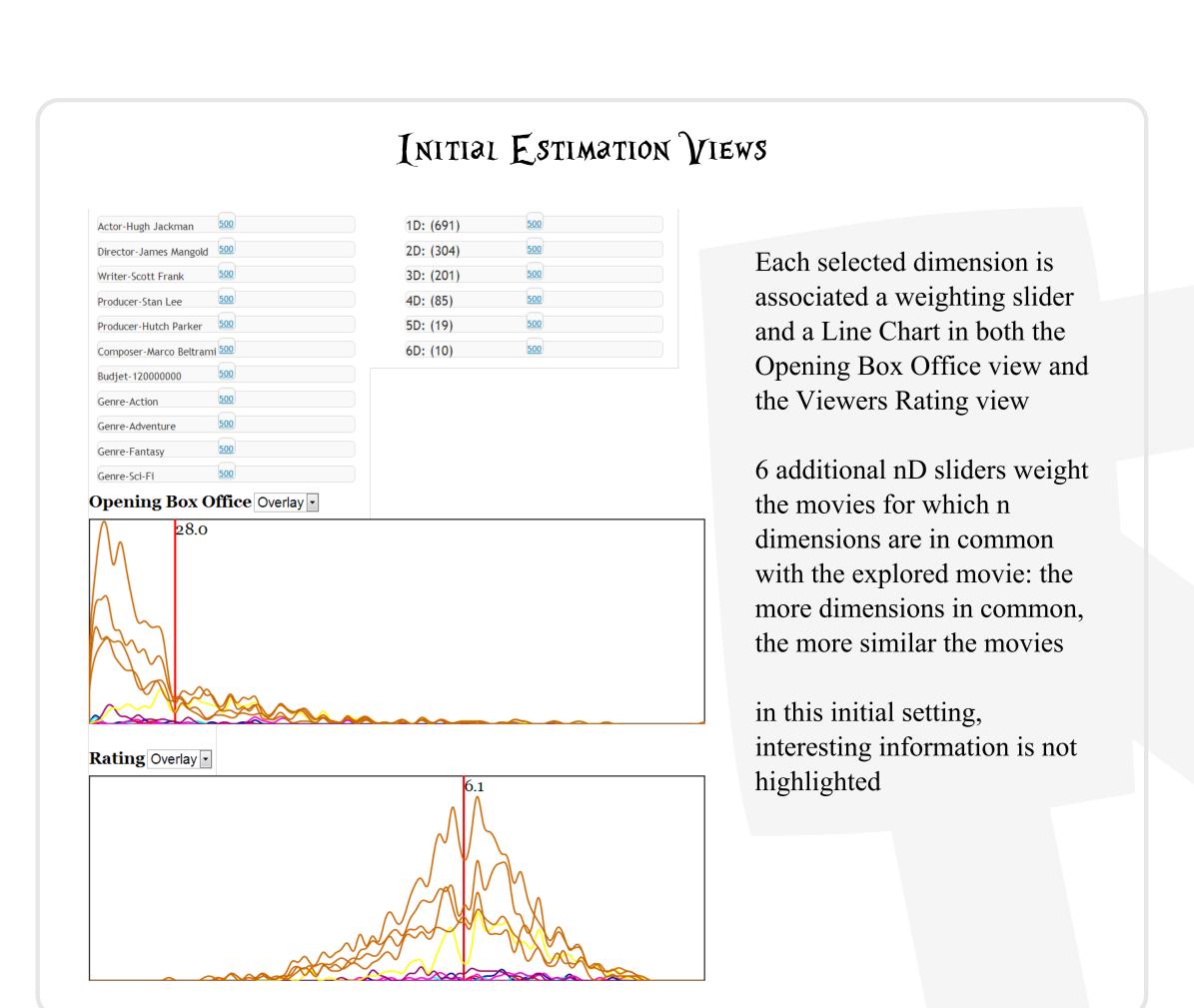








The distribution of their Opening Box Office and/or Viewers Rating is spread or binomial, or their number of data points is low



OPENING BOX OFFICE ESTIMATION

The actor Hugh Jackman and the producer Stan Lee were involved in all the X-Men movies

Also, when exploring the different X-Men movies, we realize that their Opening Box Office (average 80.64M)

and Viewers Rating (average 7.26) are high

We can expect high values for both indicators

	Actor Hugh Jackman 20	Actor Will Yun 6	James James Mangold 6	MV riter Mark Bomback 6	Writer Scott Frank 8	rodude Hugh Jackman 2	Stan Lee	Hutch Parker	IMPOS Marco Beltrami 40	Budjet	Genre Action 779	Genre Adventure 563	Genre Fantasy 366	Genr Sci-Fi 350
Actor Hugh Jackman	20	0	1	1	0	2 (5	O Origins: Wo	O	10	9	10	4	8
Actor Will Yun 6	0	6	0	1	0	O	2	8	0	3	6	3	2	1
James Mangold 6	r = °	0	6	0	0	0	0	0	1	1	2	0	1	0
Writer Mark Bomback 6	1	-	0	6	0	1	0	0	1	3	4	2	1	3
Vriter Scott Frank 8	0	0	0	0	8	O	O	О	1	1	3	1	0	1
Oduce Hugh Jackman	r ผ ื•	0	0	-	0	2	1	0	0	1	1	1	1	1
Stan Lee 27	r o	ุล •	0	0	0	-	27	0	1	18	27	17	16	18
Hutch Parker	r o	0	0	0	0	0	0	1	O	0	1	0	0	1
mpos Marco Beltrami 40	er •	0	-	-	1	0		0	40	3	14	4	4	11
3udjet 20000000 238	10	က	1 .	က	1.	-	.81	0	es	238	158	165	92	73
Genre Action 779	6	9	9	4	8	1	27	1	14	15.8	779	312	140	226
Genre Adventure 563	10	ಣ	0	ี ถ	1	-	L. 4.9.4.	0	4	165	312	563	184	156
Genre Fantasy 366	4 •••	ุด ๋	- '	Η.	0	+ •	91	0	4	92	140	184	366	63
Genre Sci-Fi	∞ •••••	1	0	က ံ	1		∞**.	1 .	11 %	CO 100	226	56	63	350

CELL VISUALIZATIONS

data distribution

viewers rating

^165

165

L16

165

350

ScatterPlot Matrix View to Discover Similar Movies

Several ways of observing the

In blue the Opening Box Office

The y axis encodes the number

Stripped Charts

frequency

frequency

Bar Charts

frequency

frequency

ScatterPlot

frequencies

Line Charts

Opacity encodes the

Dual Line Charts

Height encodes the

Height encodes the

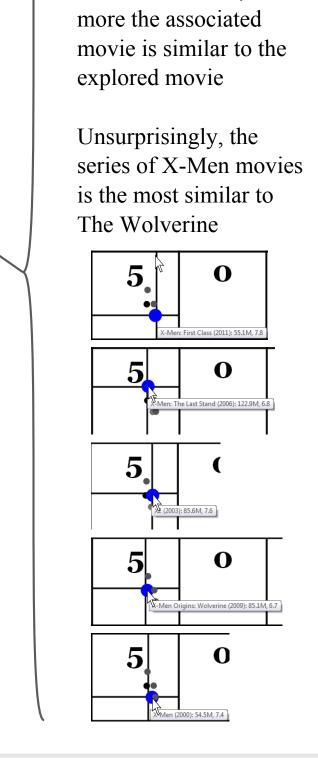
Height encodes the

Opacity encodes the

In orange the viewers rating

of movies, the x axis the

opening box office or the



Exploring

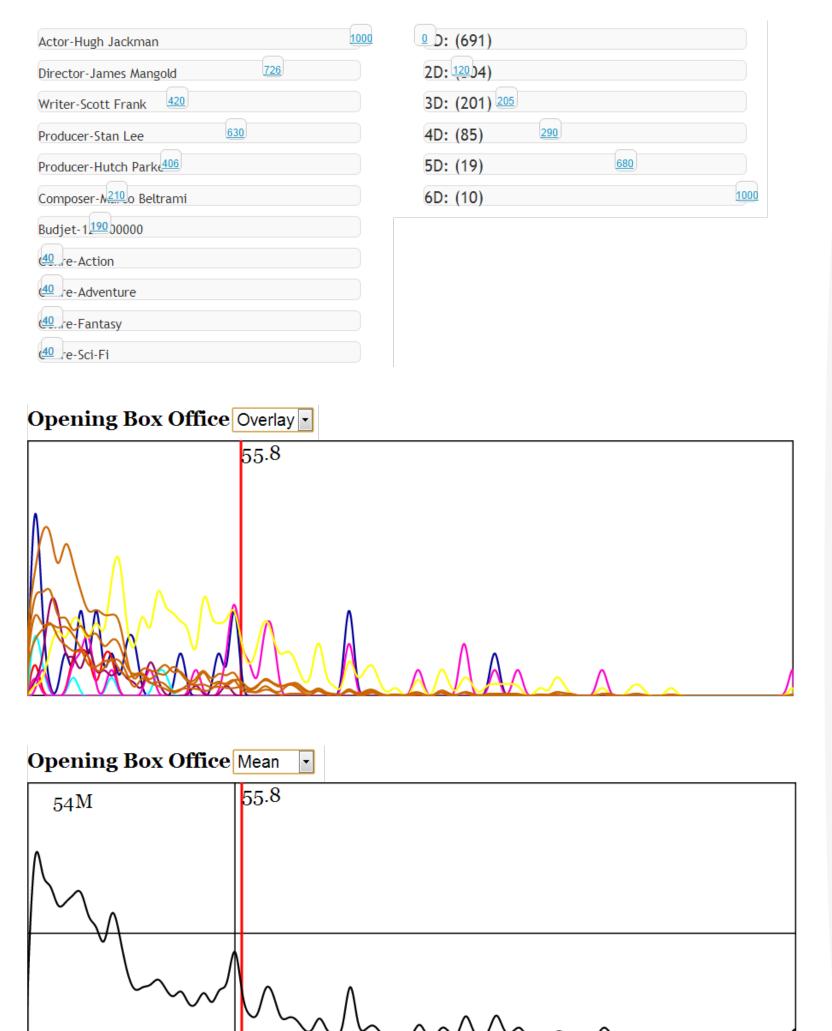
by hovering its

associated dot

Individual Movies

Showing movie details

The darkest a dot, the



Setting the dimensions sliders: -Main actor and Director have strong weights -Producer Stan Lee has a strong weight -Budget is important for Opening Box Office -Genres (brown Line Charts) are visually weighted so that they have reasonnable impact The explored movie belongs to a series: Highly similar movies (6D+) have strong weight The less similar, the lower the weight The Opening Box Office mean value is 55.8M (Vertical red line) Using the Mean view, we identify a close spike to this value

Hovering this spike displays the associated value in the top-left corner Finally, the estimated value for the Opening Box Office is 54M and is quite lower than the 80.64M average of the X-Men series

