

# Hiring Process Analytics

## Project Description:

The project aims to analyse the hiring process of a company and provide insights. The analysis will be done using Excel and statistical techniques such as regression analysis and hypothesis testing.

## Approach :

First of all I have removed the missing data ( there was only one row containing missing data).

Secondly, I performed outlier analysis where I found there were 3 rows with very high salary and 2 rows with very low salary, so I deleted these 5 rows.

Then started analysing and answering questions.

## Tech Stack used:

1. MS Excel

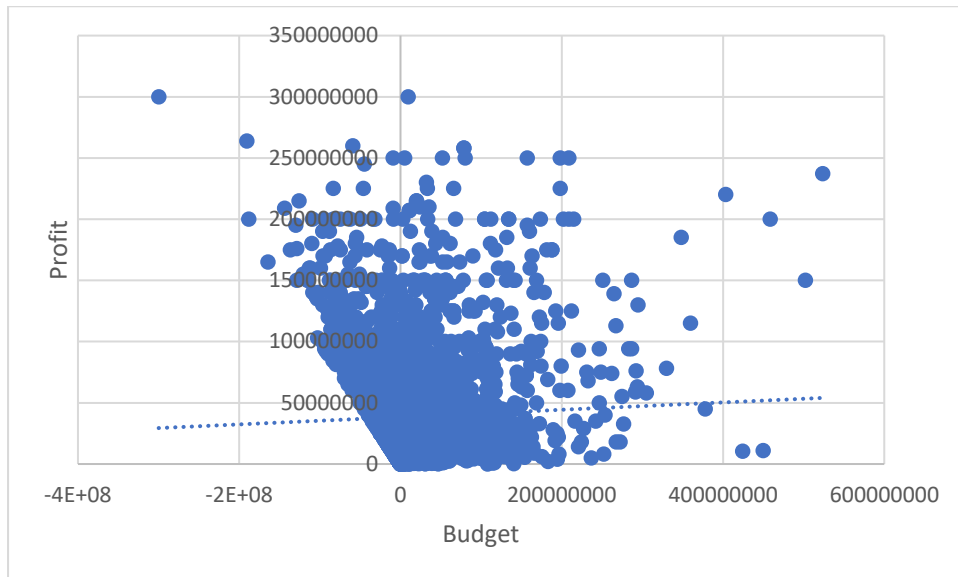
## INSIGHTS :

### A – Data Cleaning

- Dropped duplicate rows
- Deleted rows that contained blank cells
- Manipulated strings of movie titles and actor names
- Dropped columns that were useless
- Rechecked datatype of all the columns
- Removed outliers on the basis of budget and profit columns

## B - Movies with highest profit:

To filter rows on the basis of gender that are hired, we can use COUNTIFS function in MS Excel.



The above chart shows the relationship between budget and profit. It has a very low positive correlation.

Highest Profit Movie : - Avatar

## C - Top 250:

Here is a list of top 250 IMDB movies -

The Shawshank Redemption	The Lives of Others	Gone with the Wind
The Godfather	Children of Heaven	Captain America: Civil War
The Dark Knight	Samsara	Gran Torino
The Godfather: Part II	The Pianist	A Beautiful Mind
The Lord of the Rings: The Return of the King	Star Wars: Episode VI - Return of the Jedi	Die Hard
Pulp Fiction	American Beauty	How to Train Your Dragon
Schindler's List	Aliens	The Bridge on the River Kwai
The Good, the Bad and the Ugly	WALL-E	Pan's Labyrinth
Forrest Gump	A Separation	The Secret in Their Eyes
Star Wars: Episode V - The Empire Strikes Back	Brokeback Mountain	The Wolf of Wall Street
The Lord of the Rings: The Fellowship Ring	Reservoir Dogs	V for Vendetta
Inception	Oldboy	Trainspotting
Fight Club	Requiem for a Dream	On the Waterfront
Star Wars: Episode IV - A New Hope	Das Boot	Into the Wild
The Lord of the Rings: The Two Towers	Lawrence of Arabia	Lock, Stock and Two Smoking Barrels
The Matrix	Once Upon a Time in America	The Big Lebowski
One Flew Over the Cuckoo's Nest	Amlie	Incendies
Goodfellas	Princess Mononoke	The Act of Killing
City of God	Toy Story 3	Blade Runner
Seven Samurai	Inside Out	The Thing
Saving Private Ryan	Toy Story	Casino
The Silence of the Lambs	The Sting	Warrior
Se7en	Indiana Jones and the Last Crusade	Howl's Moving Castle
Interstellar	Good Will Hunting	The Avengers
The Usual Suspects	Up	Deadpool
American History X	Unforgiven	Jurassic Park
Modern Times	Batman Begins	The Sixth Sense
Spirited Away	IngLOURious Basterds	Monsters, Inc.
The Lion King	2001: A Space Odyssey	Pirates of the Caribbean: The Curse of the Black Pearl
Raiders of the Lost Ark	Amadeus	Guardians of the Galaxy
The Dark Knight Rises	L.A. Confidential	The Help
Back to the Future	Snatch	Platoon
Terminator 2: Judgment Day	Some Like It Hot	The Martian
Gladiator	Scarface	The Bourne Ultimatum
The Green Mile	Eternal Sunshine of the Spotless Mind	Rocky
Alien	Hoop Dreams	Gone Girl
Django Unchained	Room	Butch Cassidy and the Sundance Kid
Apocalypse Now	Monty Python and the Holy Grail	The Imitation Game
The Departed	The Hunt	Million Dollar Baby
Psycho	Metropolis	The Truman Show
Memento	Downfall	Groundhog Day
The Prestige	Raging Bull	No Country for Old Men
Whiplash	Finding Nemo	

The Revenant	Mystic River	Walk the Line
Shutter Island	Ratatouille	The Fighter
Stand by Me	Fiddler on the Roof	The Bourne Identity
Kill Bill: Vol. 1	Kill Bill: Vol. 2	Big Hero 6
12 Years a Slave	X-Men: Days of Future Past	My Fair Lady
Annie Hall	JFK	Captain Phillips
Sin City	The Artist	Little Miss Sunshine
The Grand Budapest Hotel	Sling Blade	The Untouchables
The Terminator	Dallas Buyers Club	Crash
Spotlight	Boyhood	Halloween
The Best Years of Our Lives	Bowling for Columbine	Halloween
The Wizard of Oz	Casino Royale	Edward Scissorhands
There Will Be Blood	Casino Royale	The Hobbit: The Desolation of Smaug
Prisoners	Sicko	How to Train Your Dragon 2
The Princess Bride	Shaun of the Dead	The Blues Brothers
Woodstock	Life of Pi	Nightcrawler
Hotel Rwanda	The Perks of Being a Wallflower	Do the Right Thing
Mad Max: Fury Road	A Fistful of Dollars	The Wrestler
Amores Perros	Before Sunset	Hot Fuzz
Before Sunrise	Central Station	The Remains of the Day
The Celebration	Her	Boogie Nights
In the Shadow of the Moon	Waltz with Bashir	The Hateful Eight
Donnie Darko	True Romance	Once
Elite Squad	Persepolis	Glory
The Sea Inside	Big Fish	Glory
Rush	The Straight Story	Before Midnight
Tae Guk Gi: The Brotherhood of Warriors	Brazil	4 Months, 3 Weeks and 2 Days
Akira	In Bruges	Moon
Jaws	Mulholland Drive	Nine Queens
The Exorcist	My Name Is Khan	The Chorus
Aladdin	Dancer in the Dark	The Second Mother
The Incredibles	Magnolia	Letters from Iwo Jima
Dances with Wolves	Serenity	The Right Stuff
The Sound of Music	Cinderella Man	Amour
Rain Man	Blood In, Blood Out	Ernest & Celestine
Slumdog Millionaire	Blood Diamond	Ed Wood
The King's Speech	The Iron Giant	The World's Fastest Indian
Catch Me If You Can	Avatar	Almost Famous
Star Trek	E.T. the Extra-Terrestrial	The Notebook
The Pursuit of Happyness	Shrek	Hero
Doctor Zhivago	Iron Man	The Insider
Black Swan	Toy Story 2	Children of Men
District 9	Straight Outta Compton	Edge of Tomorrow
Young Frankenstein	Taken	
Dead Poets Society	Crouching Tiger, Hidden Dragon	

## D - Best Directors :

List of Directors with highest average IMDB ratings -

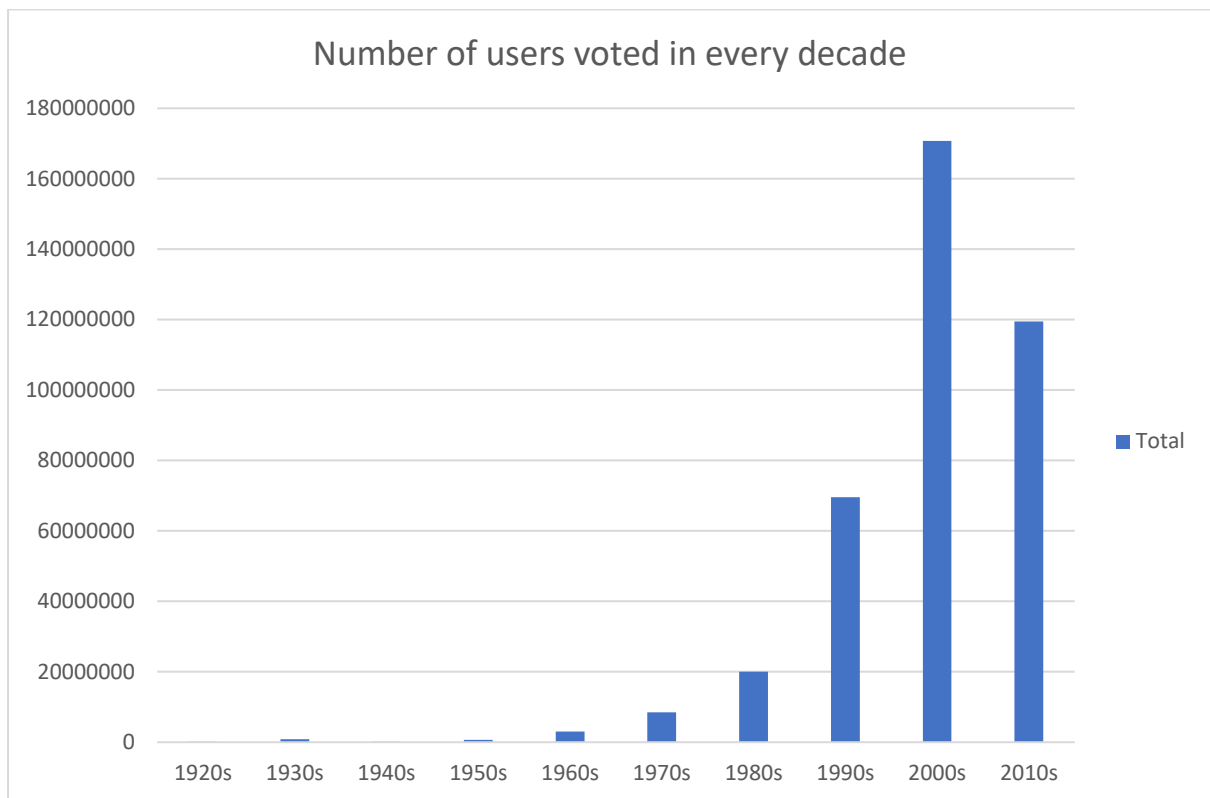
Director Name	Average IMDB rating
Akira Kurosawa	8.7
Tony Kaye	8.6
Charles Chaplin	8.6
Ron Fricke	8.5
Majid Majidi	8.5
Damien Chazelle	8.5
Alfred Hitchcock	8.5
Sergio Leone	8.433333
Christopher Nolan	8.425
Asghar Farhadi	8.4

## E - Popular Genres:

List of Genres with highest average IMDB ratings -

Genre	Aerage IMDB Rating
Crime Drama Fantasy Mystery	8.5
Adventure Animation Drama Family Musical	8.5
Adventure Animation Fantasy	8.4
Adventure Drama Thriller War	8.4
Documentary Drama Sport	8.3
Biography Drama History Music	8.3
Adventure Animation Comedy Drama Family Fantasy	8.3
Adventure Drama War	8.25
Drama Mystery War	8.2
Biography Crime Documentary History	8.2

## F - Charts:



The above chart shows the number of users that voted in each decade.

Best actor on the basis of highest average of num\_critic\_reviews :-

Actor Name	Average of num_critic_for_reviews
Albert Finney	750

Best actor on the basis of highest average of num\_user\_for\_reviews :-

Actor Name	Average of num_user_for_reviews
Heather Donahue	3400



## Results —

I have learned how to manipulate data in MS Excel, along with functions, pivot tables and charts & graphs.

This will help me for analyzing and performing EDA in MS Excel.