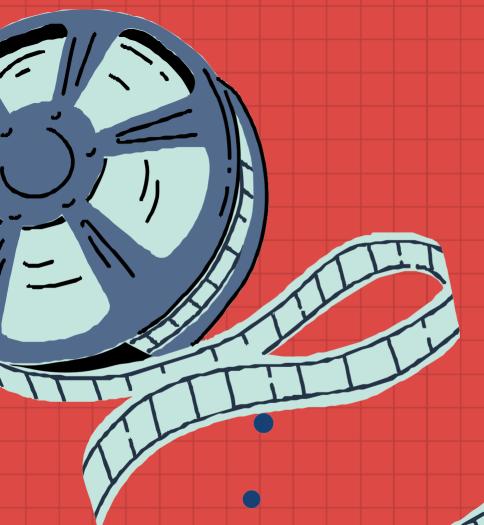
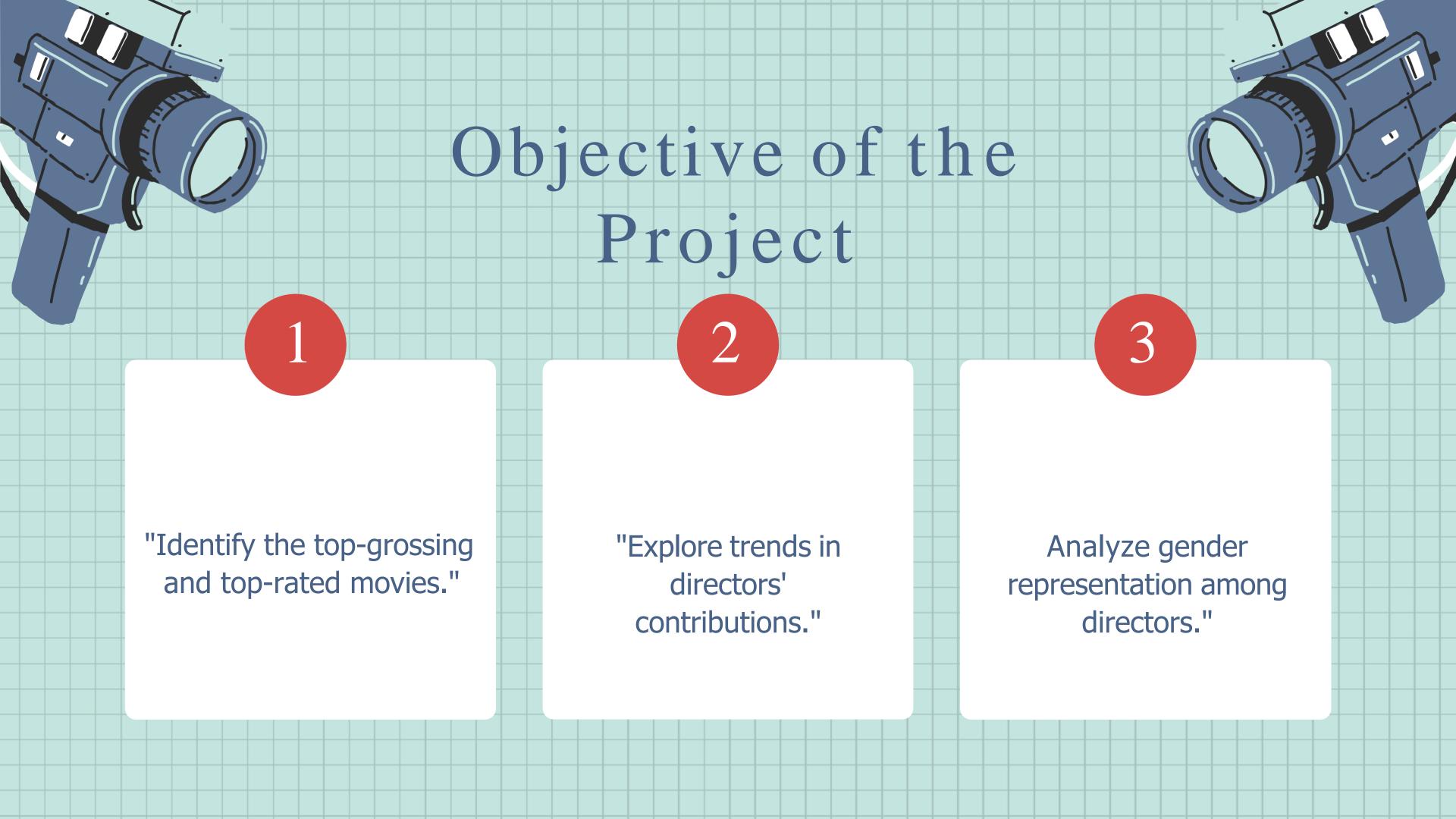


By – Amar Hadke

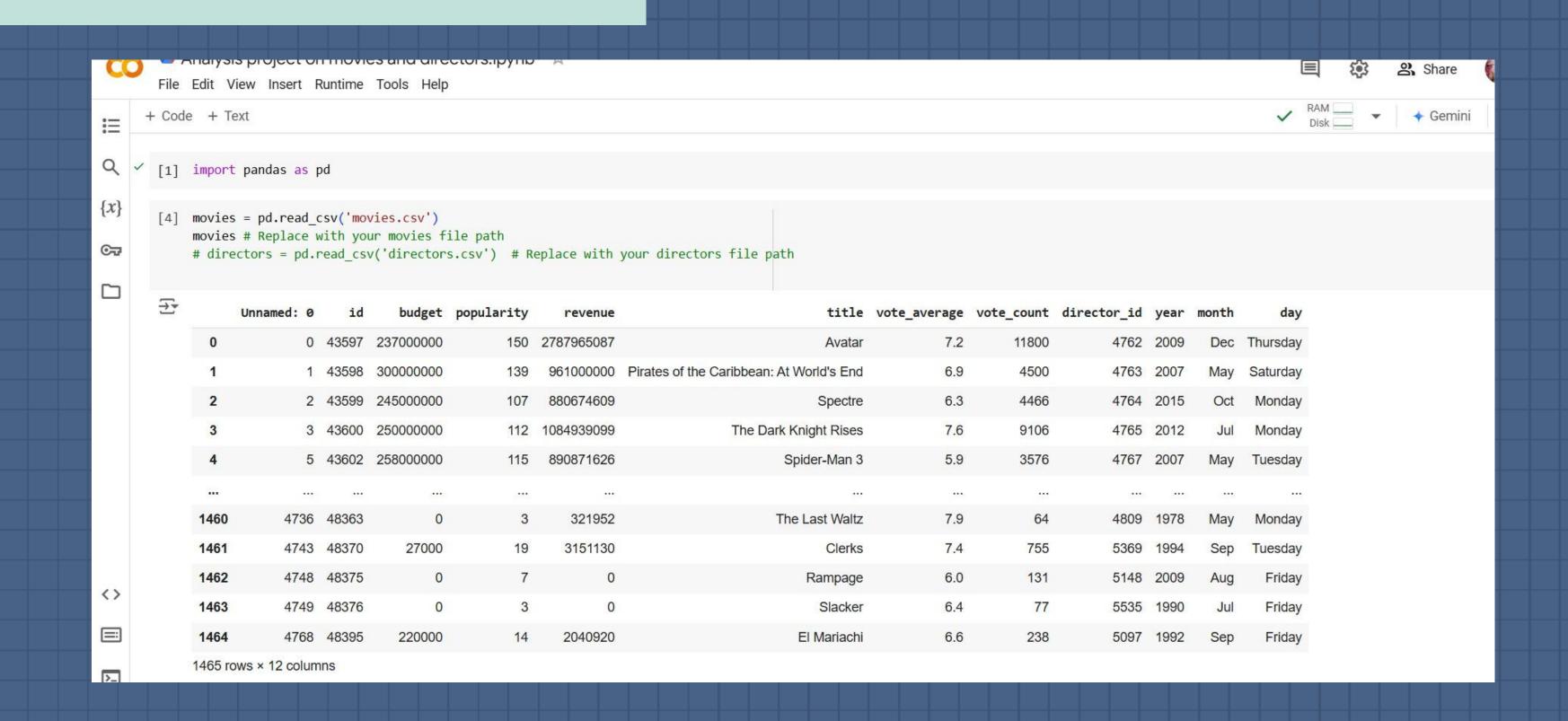


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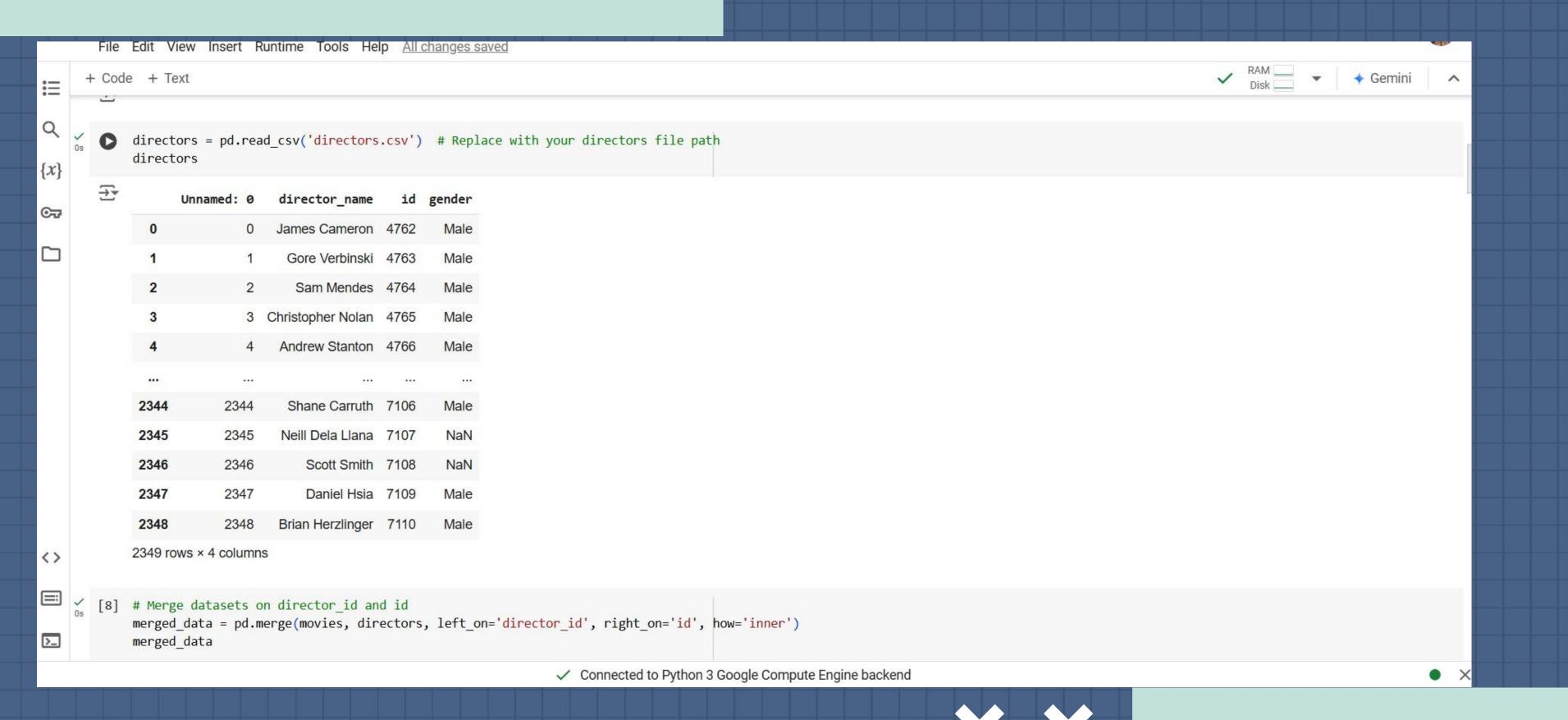


Dataset of movies





Dataset of Directors



Top-Grossing Movies

```
# Top 10 highest-grossing movies
top_grossing_movies = merged_data.nlargest(10, 'revenue')[['title', 'revenue']]
top_grossing_movies
```

	title	revenue		
0	Avatar	2787965087		
19	Titanic	1845034188		
30	Furious 7	1506249360		
36	Transformers: Dark of the Moon	1123746996		
199	The Lord of the Rings: The Return of the King	1118888979		Top 10 Highest-Grossing Movies
21	Skyfall	1108561013	Avatar -	
26	Transformers: Age of Extinction	1091405097	Titanic -	
3	The Dark Knight Rises	1084939099	Furious 7 -	
8	Pirates of the Caribbean: Dead Man's Chest	1065659812	Transformers: Dark of the Moon	
12	Pirates of the Caribbean: On Stranger Tides	1045713802	The Lord of the Rings: The Return of the King -	
			Skyfall -	
			Transformers: Age of Extinction -	
			The Dark Knight Rises -	
			Pirates of the Caribbean: Dead Man's Chest	
			Pirates of the Caribbean: On Stranger Tides -	
				.0 0.5 1.0 1.5 2.0
				Revenue

2.5

1e9

"Gender Distribution Among Directors"

```
+ Code
                                                                                                  + Text
[13] # Gender-based analysis
     gender_analysis = merged_data.groupby('gender').agg({
         'title': 'count',
         'revenue': 'mean',
         'vote average': 'mean'
     }).rename(columns={'title': 'movie_count'})
     gender analysis
              movie_count
                               revenue vote_average
      gender
     Female
                          1.384982e+08
                                             6.262500
```

6.381742

1.480160e+08

1309

Male

"Top-Rated Movies"

top_rated_movies.to_csv('top_rated_movies.csv', index=False)
top_rated_movies

title vote_average 383 Fight Club 8.3 901 Schindler's List 8.3 8.3 Pulp Fiction 1284 45 The Dark Knight 8.2 Forrest Gump 8.2 459 917 8.2 GoodFellas 58 8.1 Interstellar 59 8.1 Inception 199 The Lord of the Rings: The Return of the King 8.1 785 8.1 Se7en

Most Popular Directors

```
# Most popular directors
popular_directors = merged_data.groupby('director_name')['popularity'].mean().nlargest(10)
popular_directors
```

popularity

director_name

Christopher Nolan 185.000000

Francis Lawrence 99.000000

Gore Verbinski 95.428571

Peter Jackson 87.444444

George Miller 86.428571

James Cameron 79.142857

David Fincher 75.500000

Quentin Tarantino 72.250000

Zack Snyder 71.857143

Guillermo del Toro 63.600000

dtype: float64

Movies with highest vote average

```
[10] # Movies with highest vote average
top_rated_movies = merged_data.nlargest(10, 'vote_average')[['title', 'vote_average']]
top_rated_movies
```

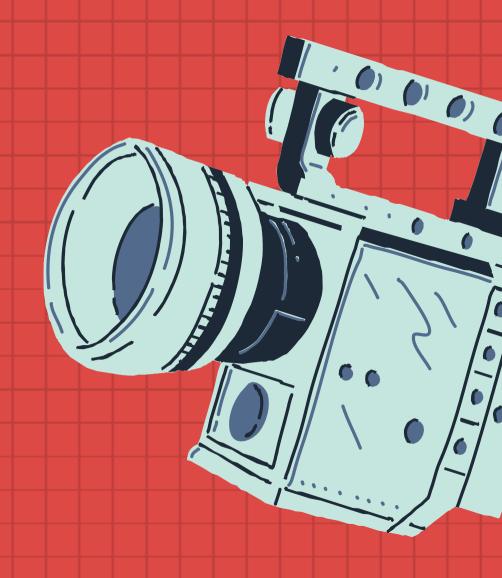
	title	vote_average
383	Fight Club	8.3
901	Schindler's List	8.3
1284	Pulp Fiction	8.3
45	The Dark Knight	8.2
459	Forrest Gump	8.2
917	GoodFellas	8.2
58	Interstellar	8.1
59	Inception	8.1
199	The Lord of the Rings: The Return of the King	8.1
785	Se7en	8.1

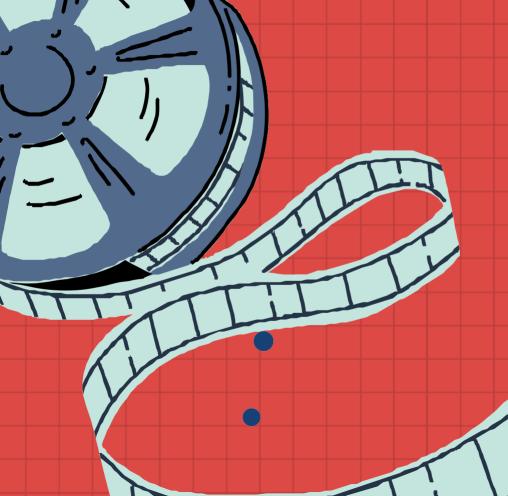












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