

# GENDER IN FILM

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# INTRODUCTION

Does a director's gender influence a movie's success?

Three Factors:

- Box Office Gross
- IMDB Score
- RottenTomatoes Score



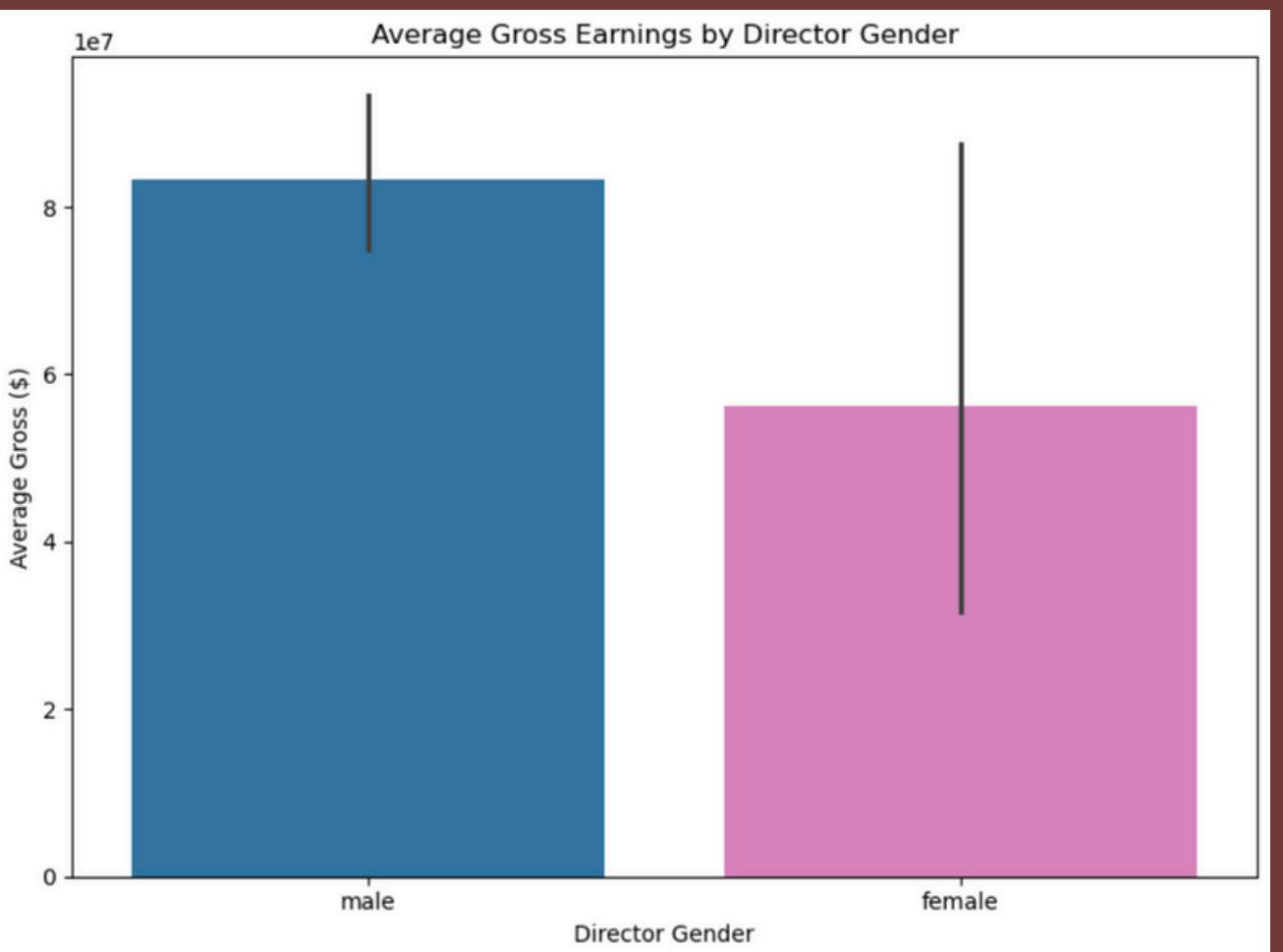
# DATA SOURCES

- Kaggle IMDb Top 1000 Movies
  - Gross earnings, IMDb ratings, basic metadata
- Genderize API
  - Predicted director gender based on first name
- OMDb API
  - Rotten Tomatoes scores

# SUMMARY OF RESULTS

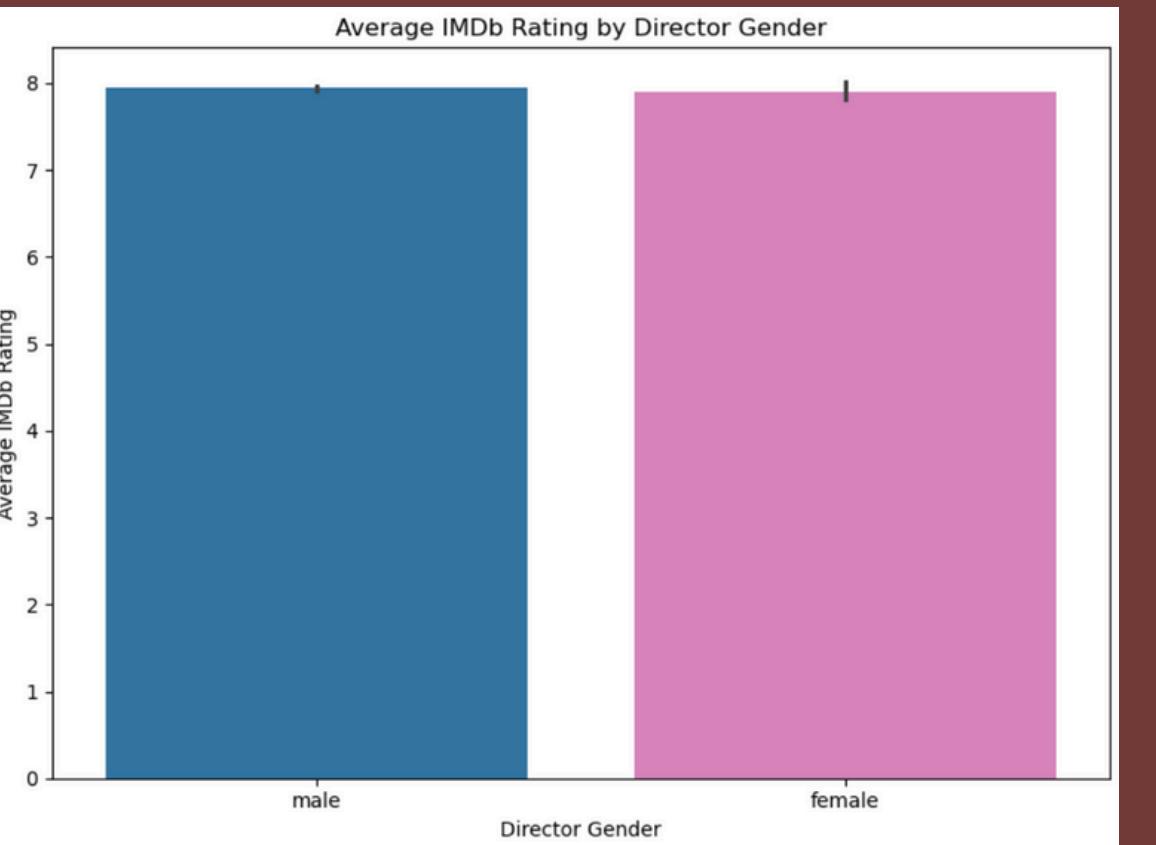
## Cleaning The Dataset

	Series_Title	Released_Year	Runtime	Genre	IMDB_Rating	Director	Star1	Star2	Star3	No_of_Votes	Gross	Director_First	Director_Gender	Rotten_Tomatoes_Score
0	The Shawshank Redemption	1994	142 min	Drama	9.3	Frank Darabont	Tim Robbins	Morgan Freeman	Bob Gunton	2343110	28341469.0	Frank	male	89.0
1	The Godfather	1972	175 min	Crime, Drama	9.2	Francis Ford Coppola	Marlon Brando	Al Pacino	James Caan	1620367	134966411.0	Francis	male	97.0
2	The Dark Knight	2008	152 min	Action, Crime, Drama	9.0	Christopher Nolan	Christian Bale	Heath Ledger	Aaron Eckhart	2303232	534858444.0	Christopher	male	94.0
3	The Godfather: Part II	1974	202 min	Crime, Drama	9.0	Francis Ford Coppola	Al Pacino	Robert De Niro	Robert Duvall	1129952	57300000.0	Francis	male	96.0
4	12 Angry Men	1957	96 min	Crime, Drama	9.0	Sidney Lumet	Henry Fonda	Lee J. Cobb	Martin Balsam	689845	4360000.0	Sidney	male	100.0



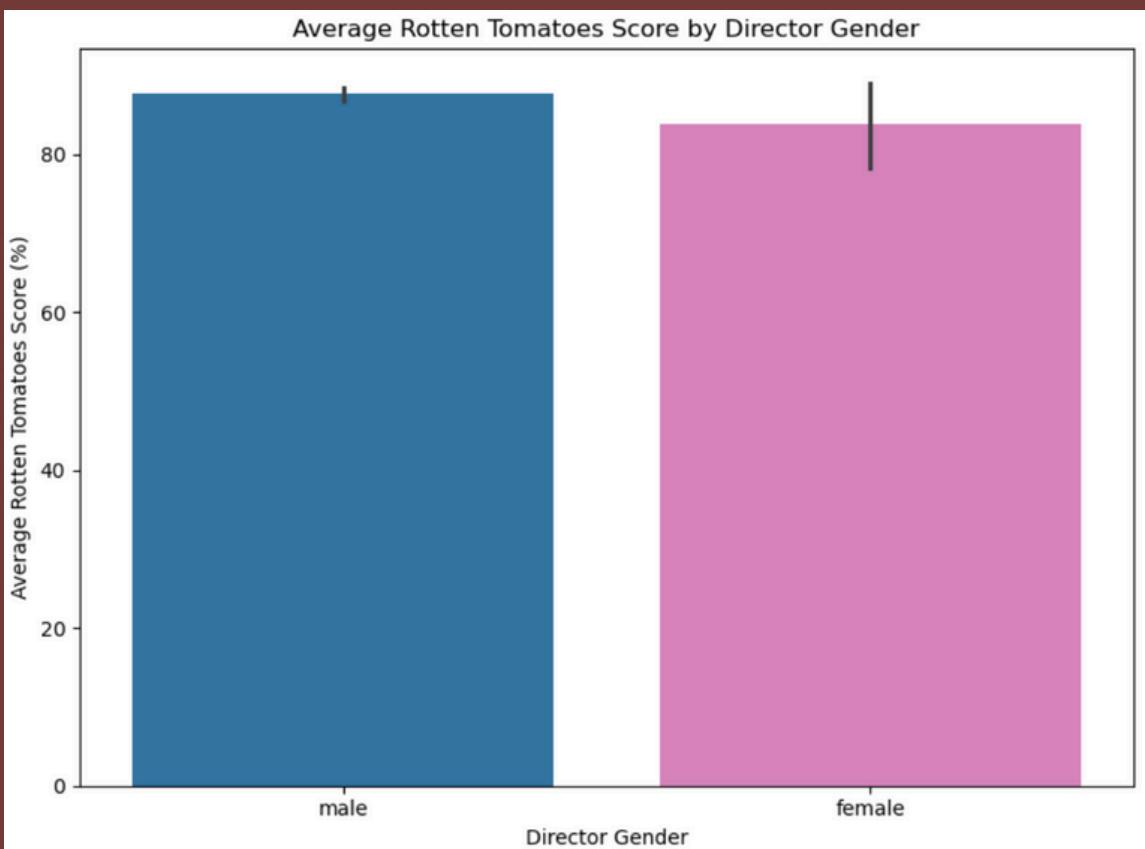
Average Gross Earnings  
By Director Gender

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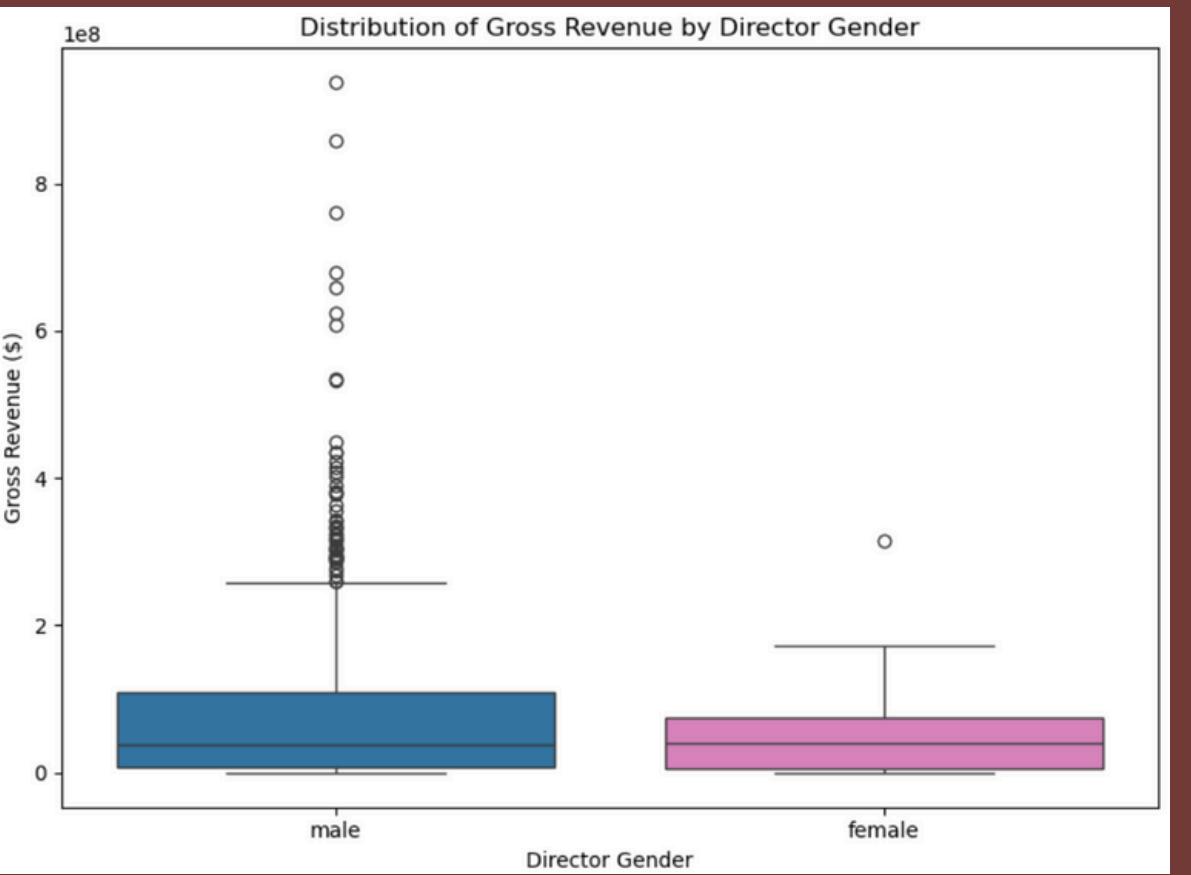


Average IMDB Rating by  
Director Gender

Average Rotten  
Tomatoes Score By  
Director Gender

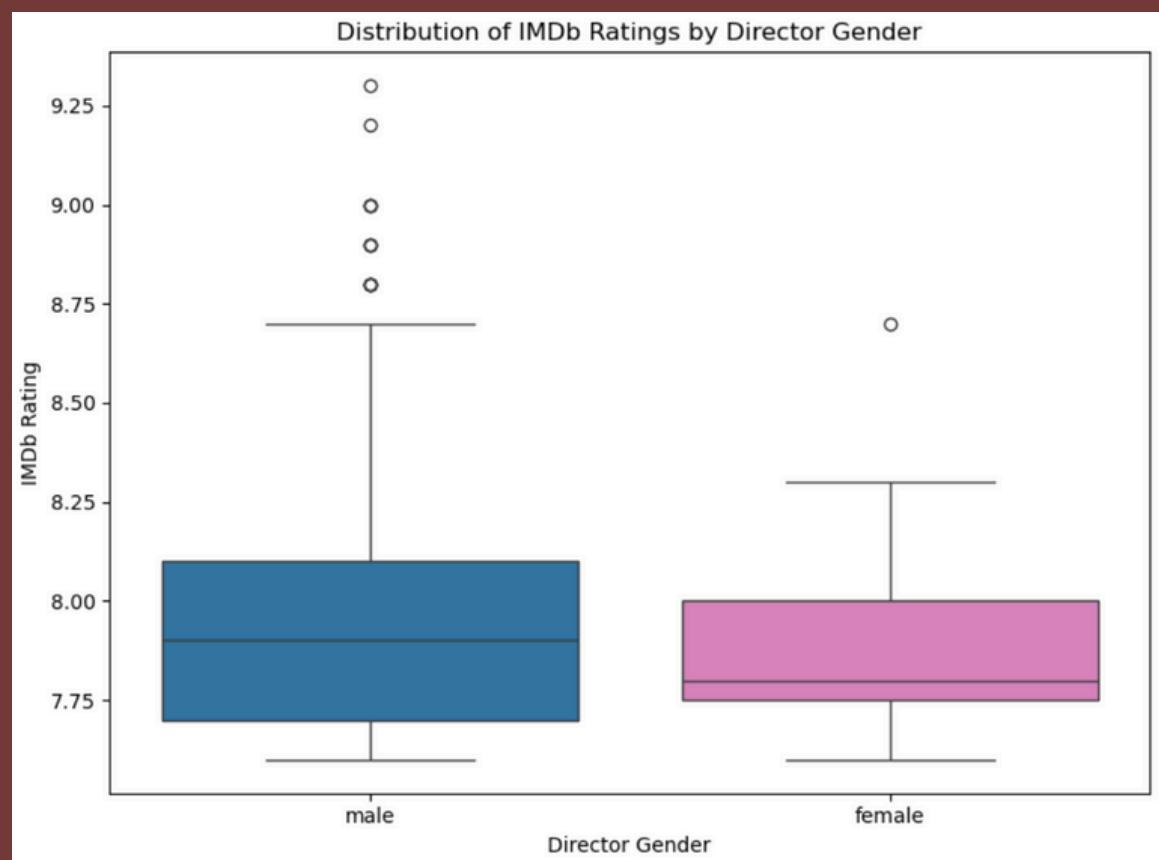


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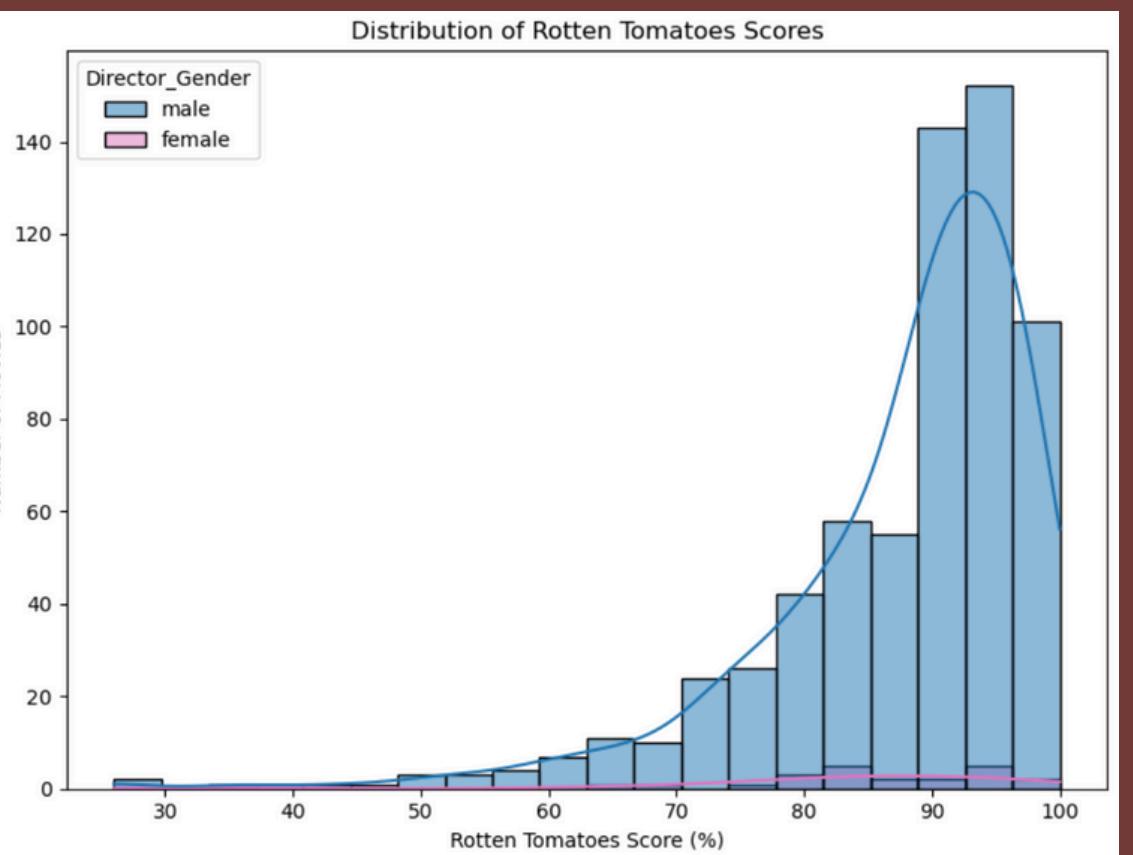


Distribution of Gross Earnings By Director Gender

Distribution of IMDB Ratings By Director Gender



# SUMMARY OF RESULTS



Distribution of Rotten  
Tomatoes Score By  
Director Gender