

# Predicting the Likeability of Movies Using Movie Scripts

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RiTUAL Lab

#### Motivation

• Predicting if a movie will be successful or not

• Save a huge amount of money in movie industry



### Motivation



• Budget: \$275,000,000

• IMDB Rating: 6.4

• Worldwide Gross: \$260,002,115



• Budget: \$206,582,000

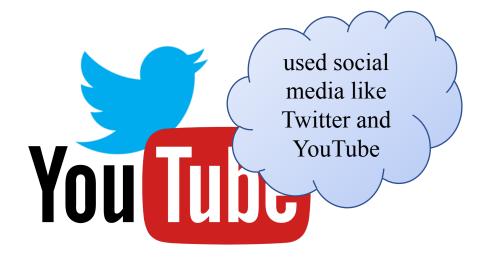
IMDB Rating: 5.3

• Worldwide Gross: \$181,982,519

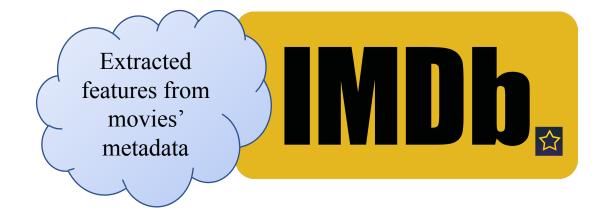
# Success Metrics

Reasons	IMDB Rating	<b>Box-office Gross</b>
Ticket price	V	×
Advertisements and competitive movies	V	×
Netflix and Amazon	V	×
Availability of data	V	×
Geographic popularity	X	V
Profitability	X	<b>~</b>

#### Related Work







#### Dataset

Metadata (IMDB API)

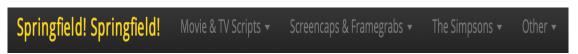


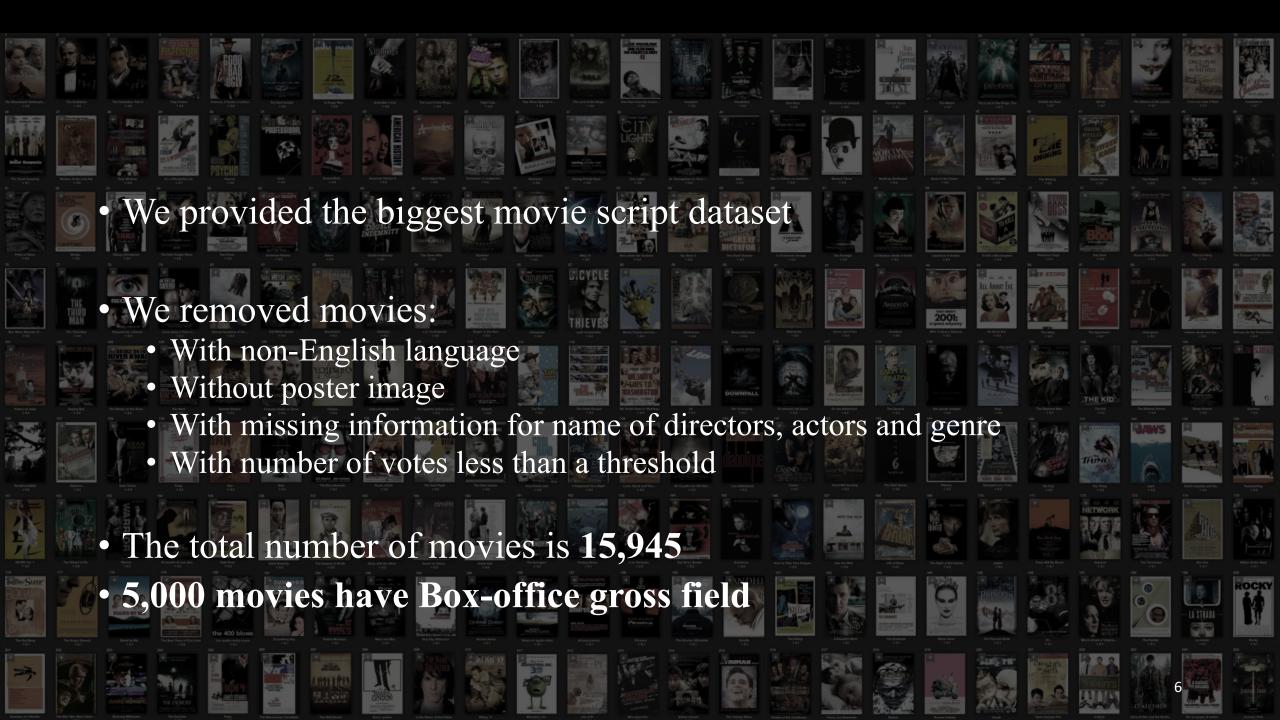
Crawled websites

Box office revenue



#### Movie scripts





#### Baseline

https://www.aaai.org/ocs/index.php/FLAIRS/FLAIRS19/paper/viewPaper/18305

- SVM Model
- Using handcraft features

## Steps

Preprocessing the input

- Choose your model:
  - Use a traditional machine learning model
    - Introduce new features
  - Use a Deep Neural Network

Analyze the results



