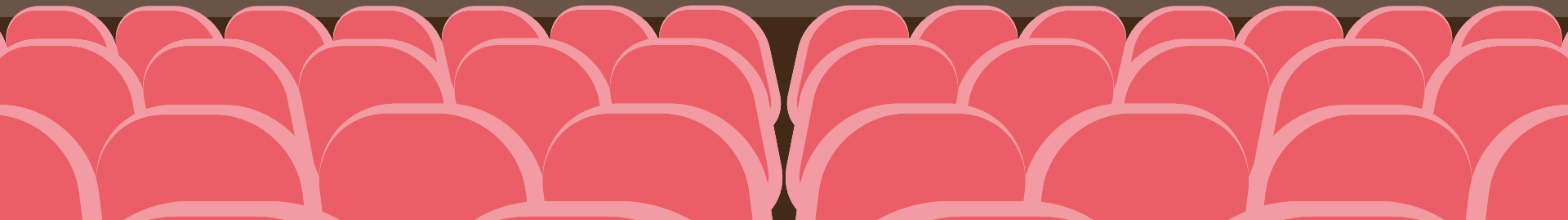


MOVIE RECOMMENDER

Sergi Abashidze, Camila Barbagallo,
Paula García, Rocío González Lantero





Sergi



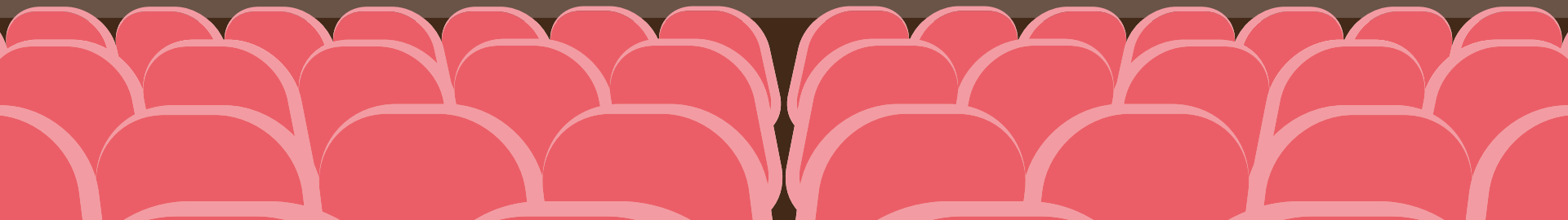
Camila



Paula



Rocío





AGENDA

01. DATA
INSPECTION

02. WEB
SCRAPING

03. MODELS

04. FUTURE
IMPROVEMENTS



DATA INSPECTION

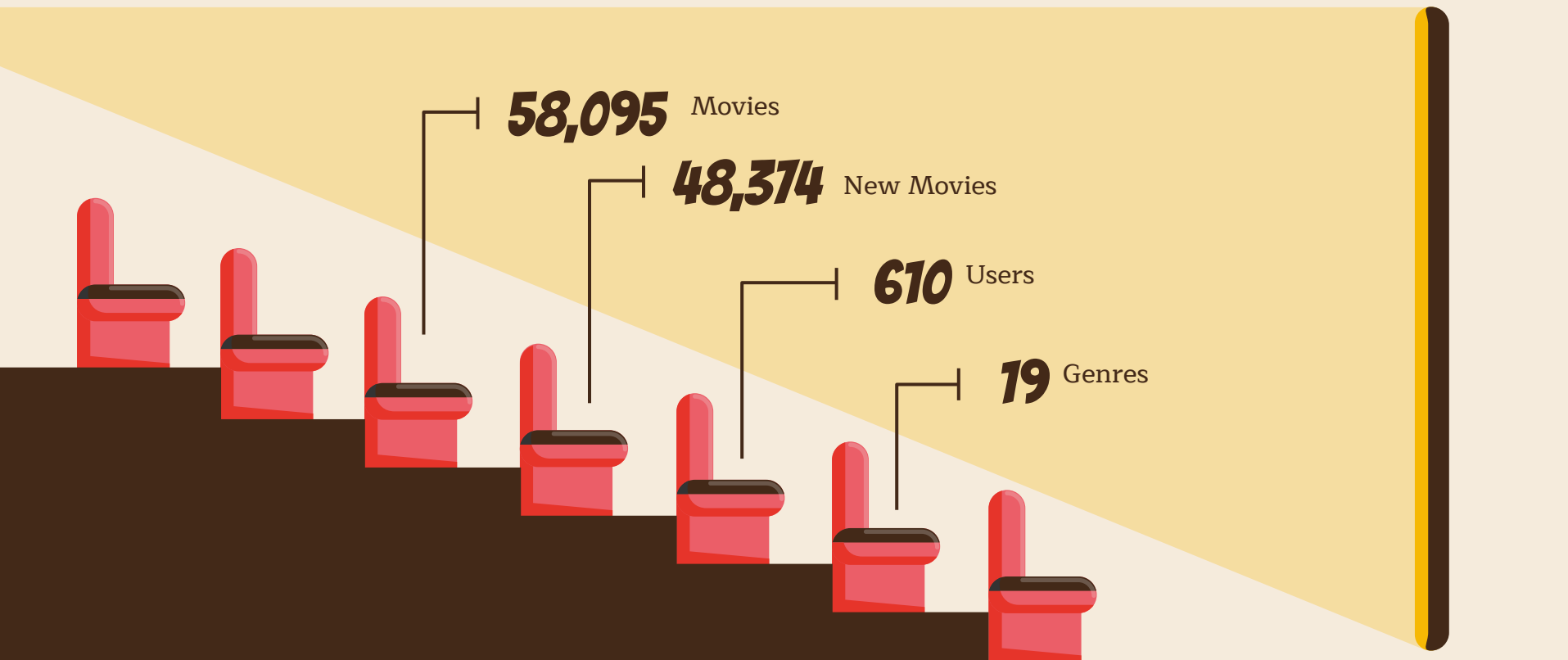


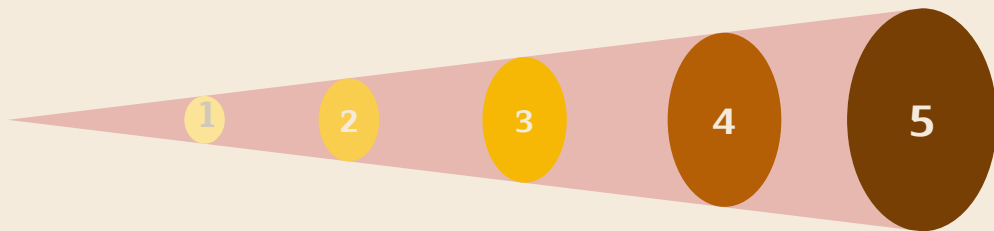
***FILTER OUT GENOME TAGS
WITH A RELEVANCE SCORE
LESS THAN 0.5***

HOW DID WE JOIN OUR DATA?



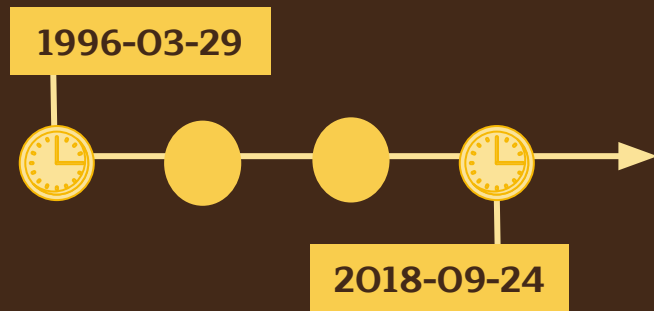
KEY INSIGHTS



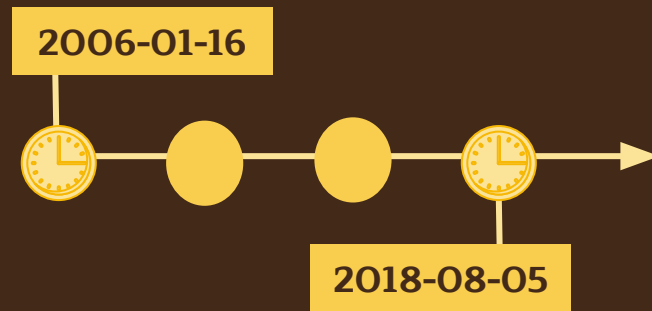


RATINGS

RATINGS DATE



TAGS DATE



MISSING VALUES

USERID

RATING

DATE_RATINGS

TIME_RATINGS

TAG

DATE_TAGS

TIME_TAGS

TAGID

RELEVANCE

TMDBID

WEB SCRAPING



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Toy Story (1995)

G 1h 21min Animation, Adventure, Comedy | 22 November 1995 (USA)

 **8.3** 174,113  Rate This



1:02 | Trailer 12 VIDEOS | 284 IMAGES

A cowboy doll is profoundly threatened and jealous when a new spaceman figure supplants him as top toy in a boy's room.

Director: [John Lasseter](#)

Writers: [John Lasseter](#) (original story by), [Pete Docter](#) (original story by) | [6 more credits](#) »

Stars: [Tom Hanks](#), [Tim Allen](#), [Don Rickles](#) | [See full cast & crew](#) »

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 **95** [Metascore](#)
From [metacritic.com](#)

Reviews
629 user | 163 critic

 **Popularity**
574  127

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Toy Story 1995

7 03/15/1996 (ES) • Animation, Adventure, Family, Comedy • 1h 21m

79%

User
Score



▶ Play Trailer

Overview

Led by Woody, Andy's toys live happily in his room until Andy's birthday brings Buzz Lightyear onto the scene. Afraid of losing his place in Andy's heart, Woody plots against Buzz. But when circumstances separate Buzz and Woody from their owner, the duo eventually learns to put aside their differences.

John Lasseter
Director

Andrew Stanton
Screenplay

Joel Cohen
Screenplay

Alec Sokolow

Joss Whedon

Bud Luckey

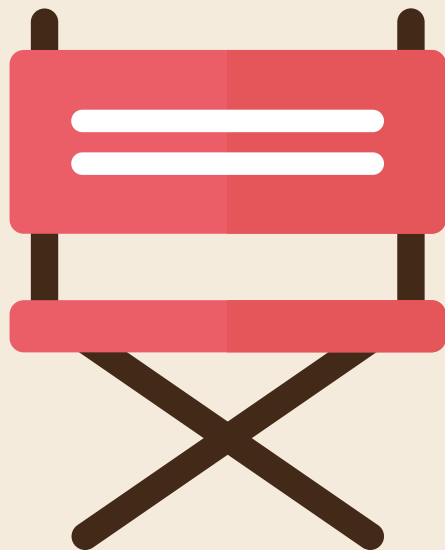
An illustration of a woman with dark, curly hair sitting on a pink stadium seat. She is wearing a yellow tank top and red shorts. Her hands are covering her mouth, and she has a distressed expression. The seat she is sitting on has the number '03' on it. The background is a solid light beige color.

03

MODELS

MODEL STAGES

***NON
PERSONALIZED***



***COLLABORATIVE
FILTERING***



***CONTENT
BASED***



NON PERSONALISED

**Popularity for
old movies**

RMSE: 1.3967

**Popularity for old
movies per genre**

Best: Documentary
Less Overfitted: Adventure



COLLABORATIVE FILTERING

REGRESSION

RMSE: 1.12

CLASSIFICATION

Precision: 3.36e-02

CONTENT BASED

GENRE

DURATION

IMDB RATING

DATE RATINGS

RELEASE DATE

19

Principal Components

TRAIN

TEST

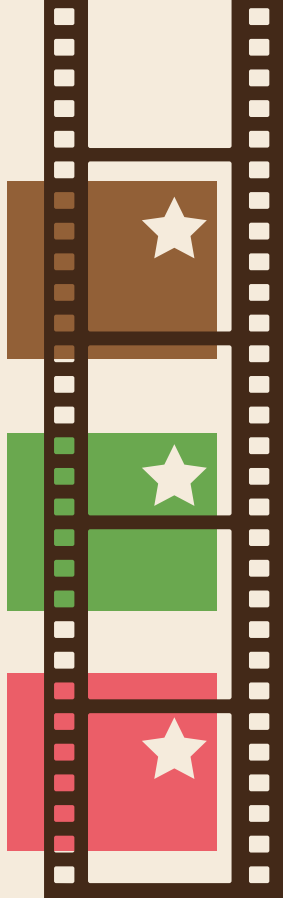
**MLP
Regressor**

0.9379

0.9491

FUTURE IMPROVEMENTS

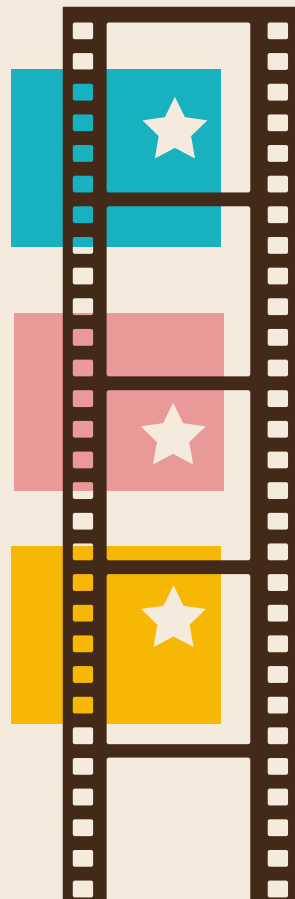




NLP

Web Scraping

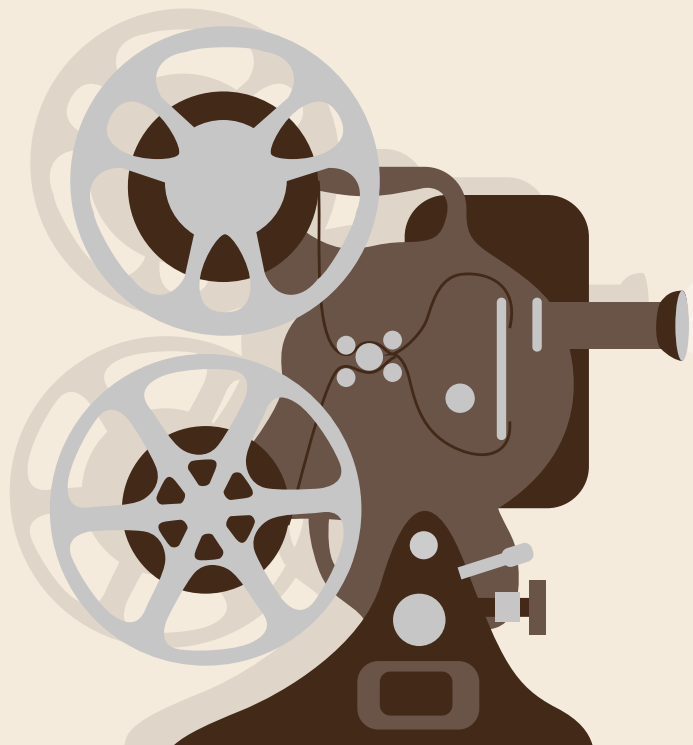
**Train-Test
Split per Date**



New Movies

Testing

Hybrid Solution



THANKS

Do you have any questions?

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rgonzalez.ieu2018@student.ie.edu

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