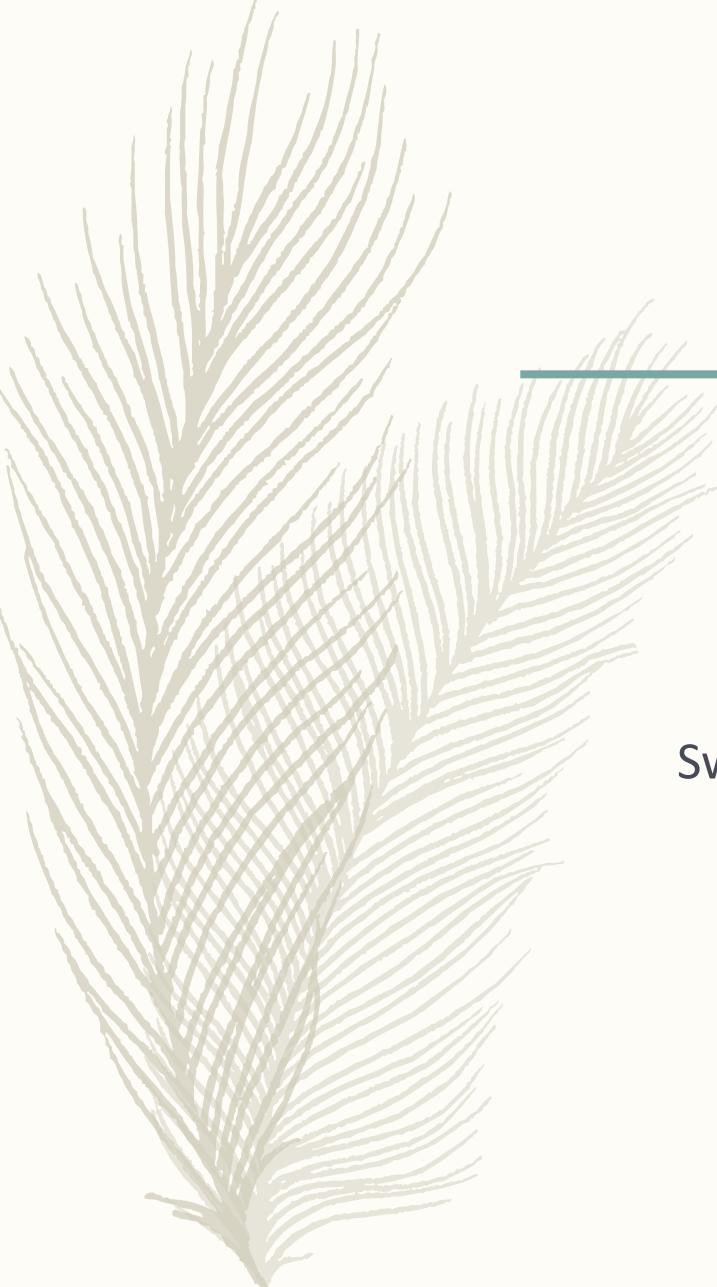




BOX OFFICE SUCCESS PREDICTOR



CollageIt!
www.collageitfree.com



Project Advisor : Ronald Mak

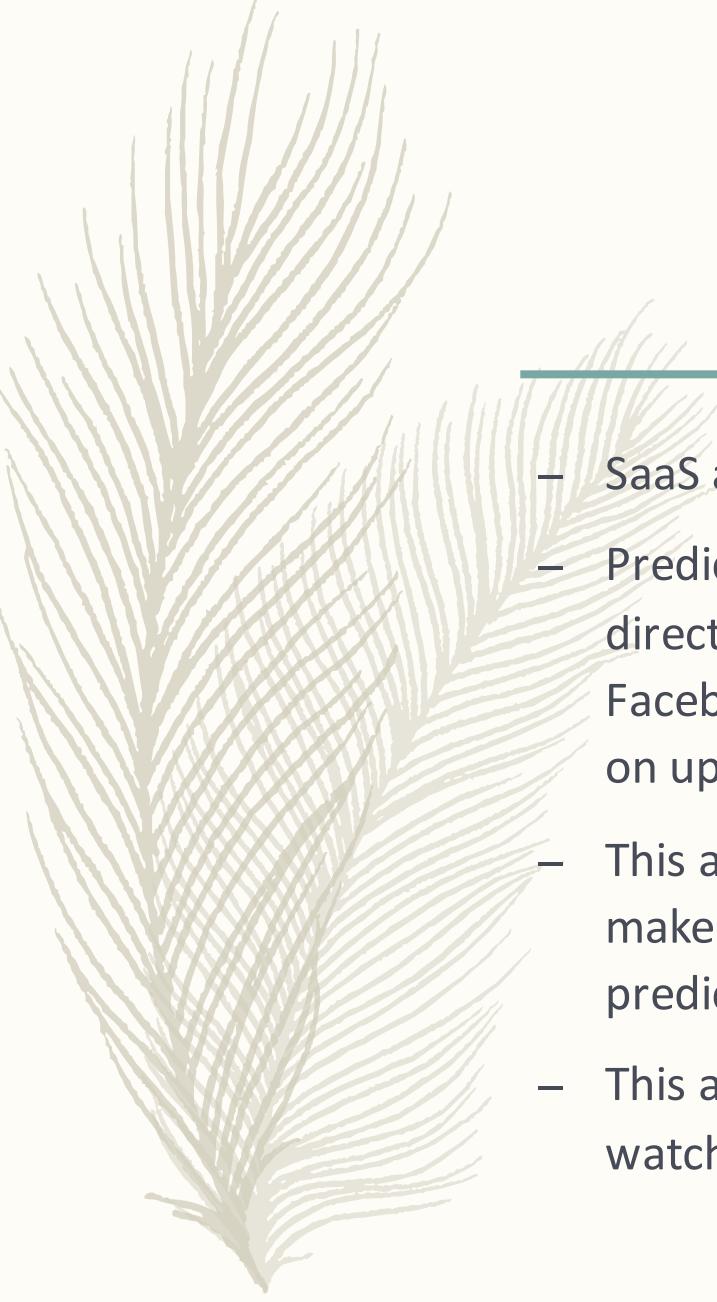
Team

Kruthi Venkatesh

Parikshith Malalur Jagadeesh

Swaroop Aradhya Mallenahalli Chandrashekhar,

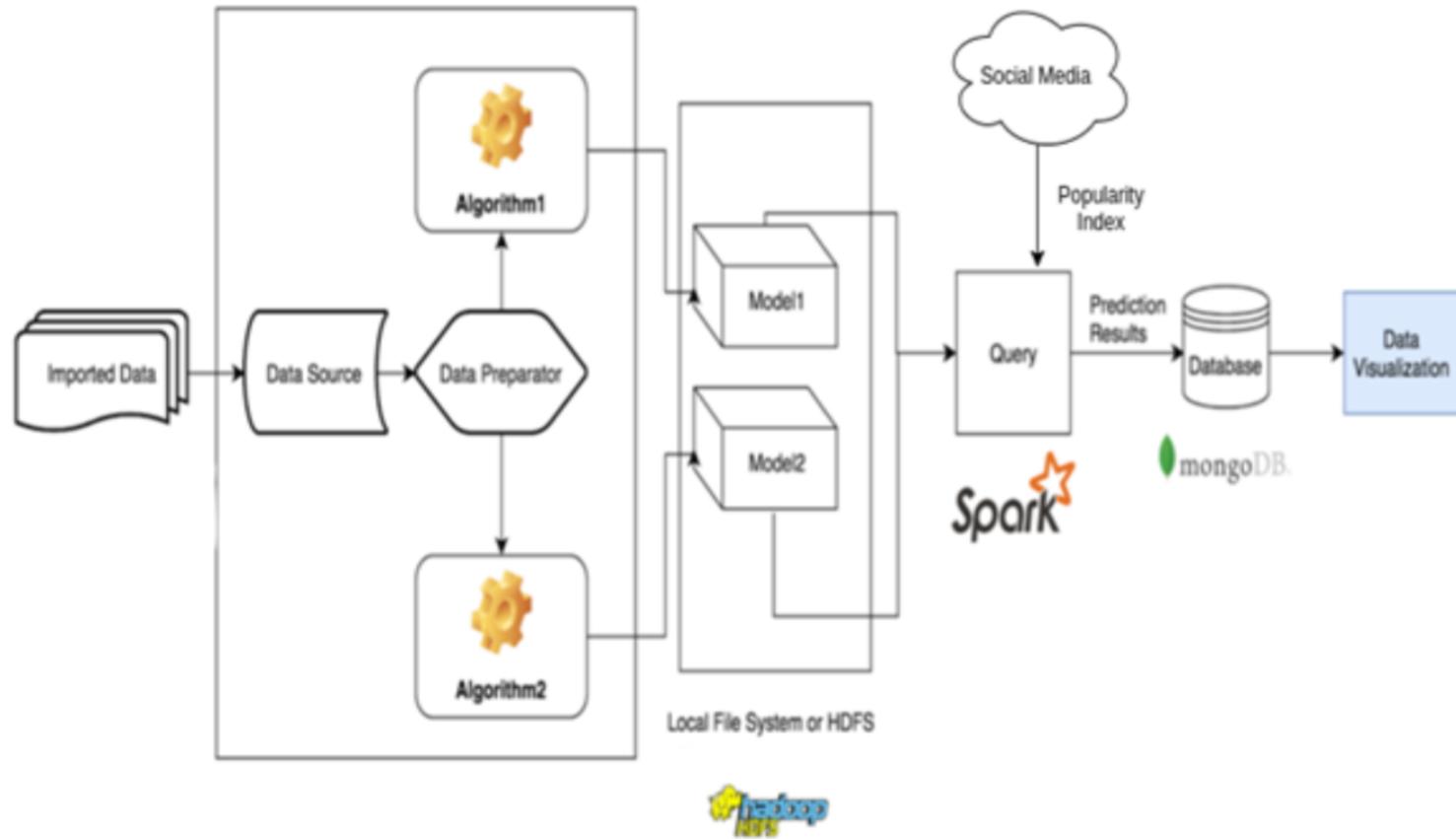
Vinay S Hiremath



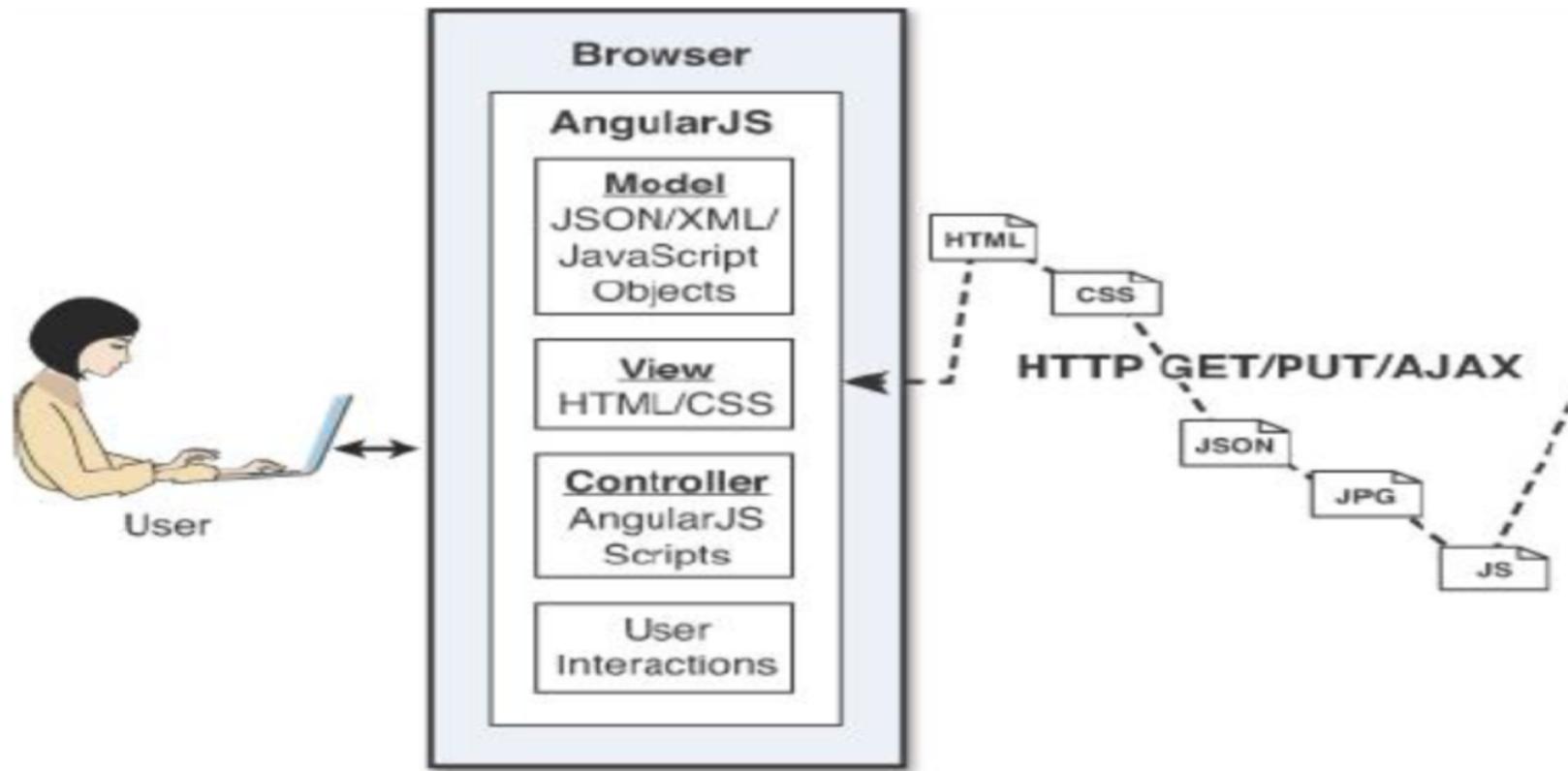
ABSTRACT

- SaaS application to predict the success of an upcoming movie.
- Predicts the success of the movie based on the historic data of actor, actress, and director in combination with real-time data such emoticons or reactions in Facebook, sentiment analysis of comments, like and dislike from YouTube, and data on upcoming movies from IMDb.
- This application leverages the latest data visualization techniques to help movie makers to develop the marketing strategy for promotional events based on the prediction rate, which are collected through an intuitive user interface.
- This application also helps the users or moviegoers to make decisions whether to watch the upcoming movie or not based on the success prediction of the movie.

Project Architecture



Client Stack



Registration

Box Office Success Predictor

Enter Email Id Enter Password Sign In

Check the movie success prediction, movie goers opinion, much more!!

Get Started - it's free.
Registration takes less than 2 minutes



Movie *	<input type="text" value="Enter Movie Name"/>	Director *	<input type="text" value="Enter Director Name"/>
Year *	<input type="text" value="Enter Year of Release"/>	Producer	<input type="text" value="Enter Producer Name"/>
Month *	<input type="text" value="Enter Month of Release"/>	Budget *	<input type="text" value="Enter Budget in \$"/>
Summary *	<input type="text" value="Enter Movie Overview"/>	Language *	<input type="text" value="Enter Language"/>
Genre *	<input type="text" value="Enter Genre"/>	Poster	<input type="text" value="Enter Poster link"/>
Actor 1 *	<input type="text" value="Enter Actor Name"/>	Path *	<input type="text" value="Enter Path"/>
Actor 2	<input type="text" value="Enter Actor Name"/>	Trailer Path	<input type="text" value="Enter Trailer link"/>
Actor 3	<input type="text" value="Enter Actor Name"/>	Email	<input type="text" value="Enter Email Id"/>
		Password	<input type="text" value="Enter Password"/>

Register **Cancel**

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Login

Box Office Success Predictor

Email

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Collage

User Dashboard

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Split [Analytics](#) [Trailer](#)

Horror | Thriller

Though Kevin has evidenced 23 personalities to his trusted psychiatrist, Dr. Fletcher, there remains one still submerged who is set to materialize and dominate all the others. Compelled to abduct three teenage girls led by the willful, observant Casey, Kevin reaches a war for survival among all of those contained within him — as well as everyone around him — as the walls between his compartments shatter apart.

Language : English
Release Date : 2016-11-15
Success Prediction : Hit
Social Score : 80.64
Would you like to watch this movie : Yes No

Get Out [Analytics](#) [Trailer](#)

Thriller

A young black man visits his white girlfriend's cursed family estate. He finds out that many of its residents, who are black, have gone missing in the past.

Language : English
Release Date : 2017-02-24
Success Prediction : Hit
Social Score : 64.46
Would you like to watch this movie : Yes No

Movie Maker Dashboard

Box Office Success Predictor

Hello beauty@gmail.com | User Dashboard | Sign Out

Add Movies

Find Movies

Reset



Beauty and the Beast (2017)

Edit

Delete

Trailer

Family, Fantasy, Musical, Romance

An adaptation of the fairy tale about a monstrous-looking prince and a young woman who fall in love.

Director : Bill condon

Producer : Bill condon

Stars : Emma Watson, Dan Stevens, Luke Evans

Language : English

Budget : \$2000001

Analytics

Trailer

Box Office Success Predictor

Register | Login

Find Movies Reset

Analytics Trailer

Guardians of the Galaxy Vol. 2

NEW Guardians of the Galaxy Vol. 2 Trailer - WORLD PRE... 

NEW TRAILER

Language : English

Release Date : 2017-04-24

Success Prediction : Hit

Would you like to watch this movie : Yes No

Split

Horror | Thriller

Though Kevin has evidenced 23 personalities to his trusted psychiatrist, Dr. Fletcher, there remains one still submerged who is set to materialize and dominate all the others. Compelled to abduct three teenage girls led by the willful, observant Casey, Kevin reaches a war for survival among all of those contained within him — as well as everyone around him — as the walls between his compartments shatter apart.

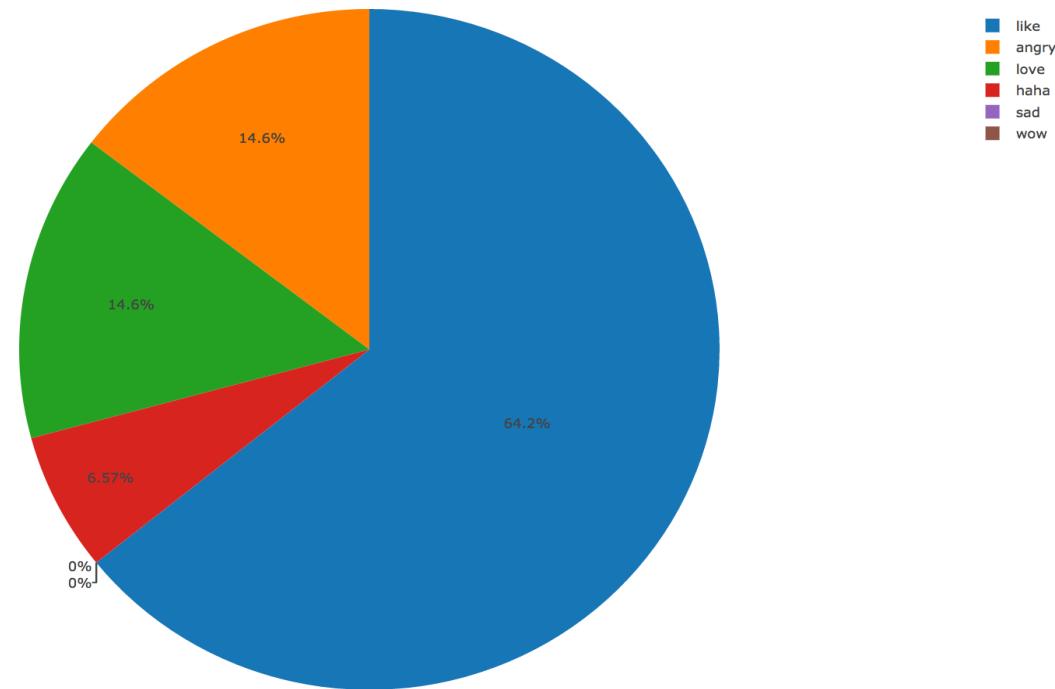
Analytics 1 – Facebook Reaction

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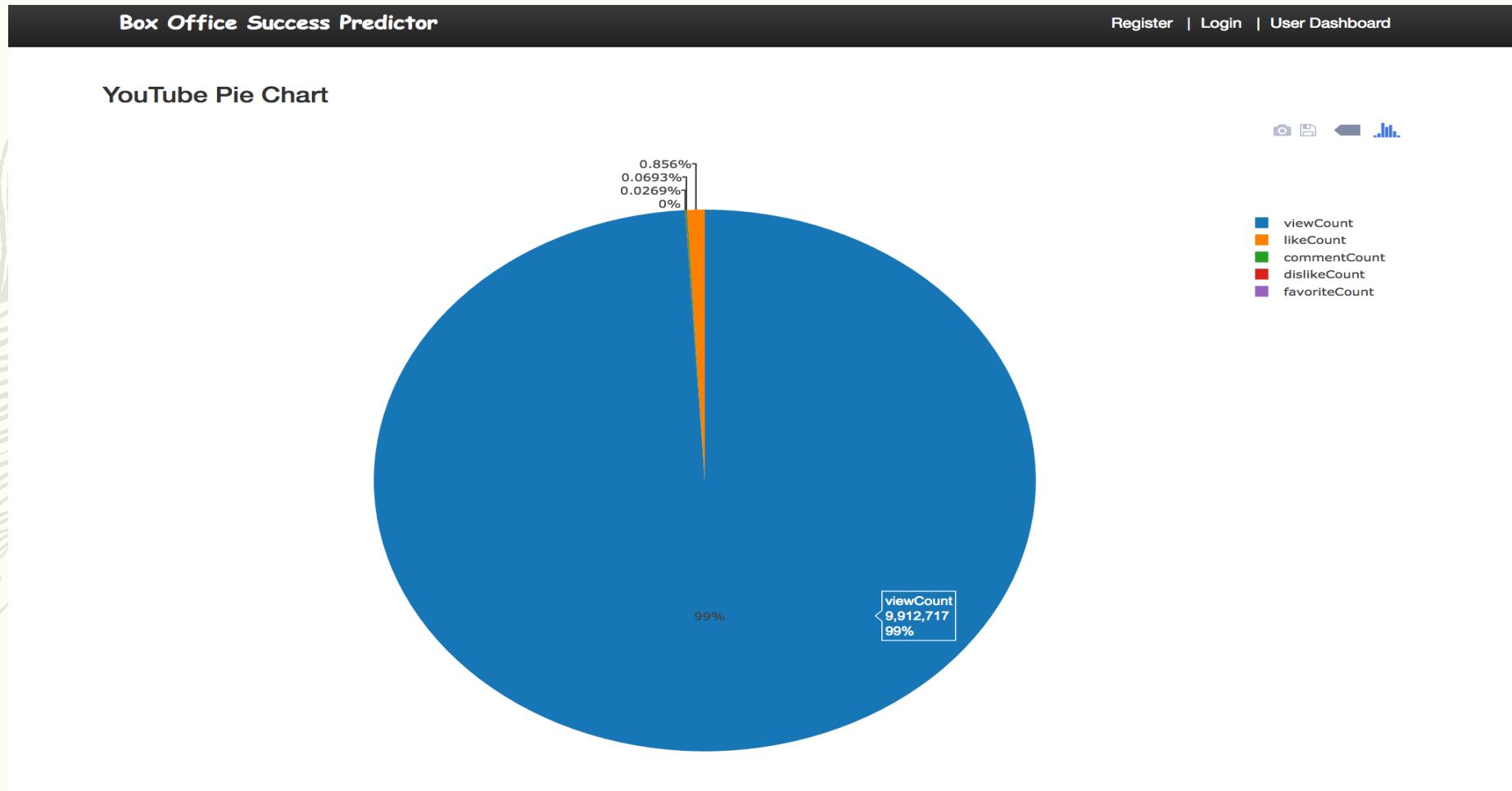
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Movie: **Guardians of the Galaxy Vol. 2**

Facebook Reaction Pie Chart



Analytics 2 – YouTube



Analytics 3 – User Votes

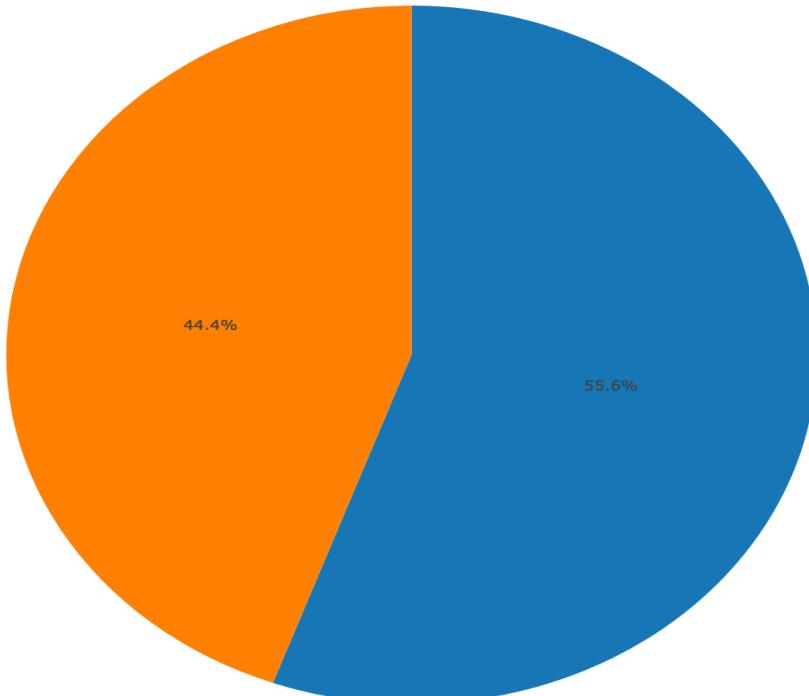
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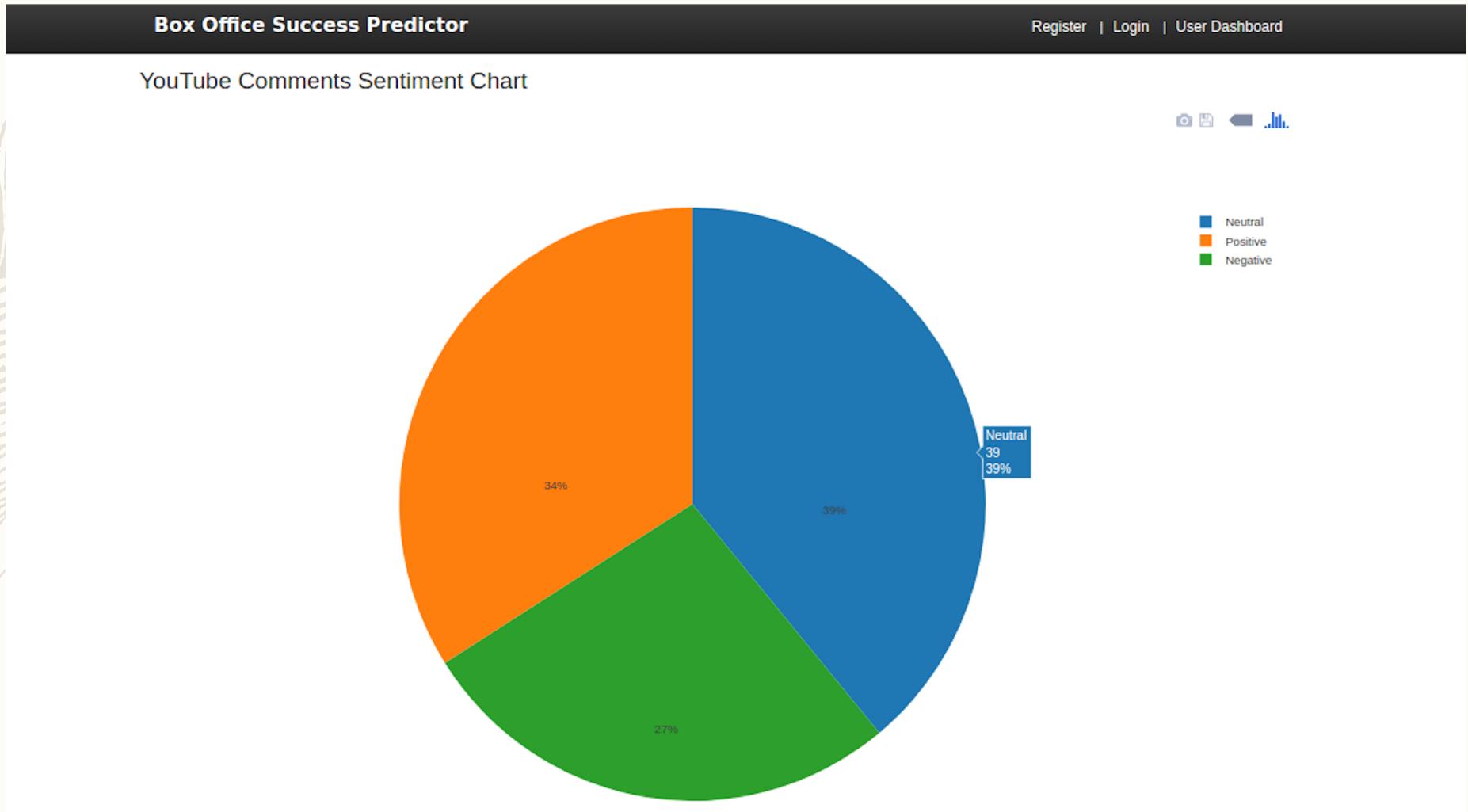
User Votes



Yes
No



Analytics 4 – YouTube Comment



Analytics 5 – Twitter Comments

Box Office Success Predictor

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Movie

A Twitter list by @ParikshithMJ

Former intern t.cn/r59E15I



2m

Hollywood Reporter Retweeted

Pret-a-Reporter [@pretareporter](#)

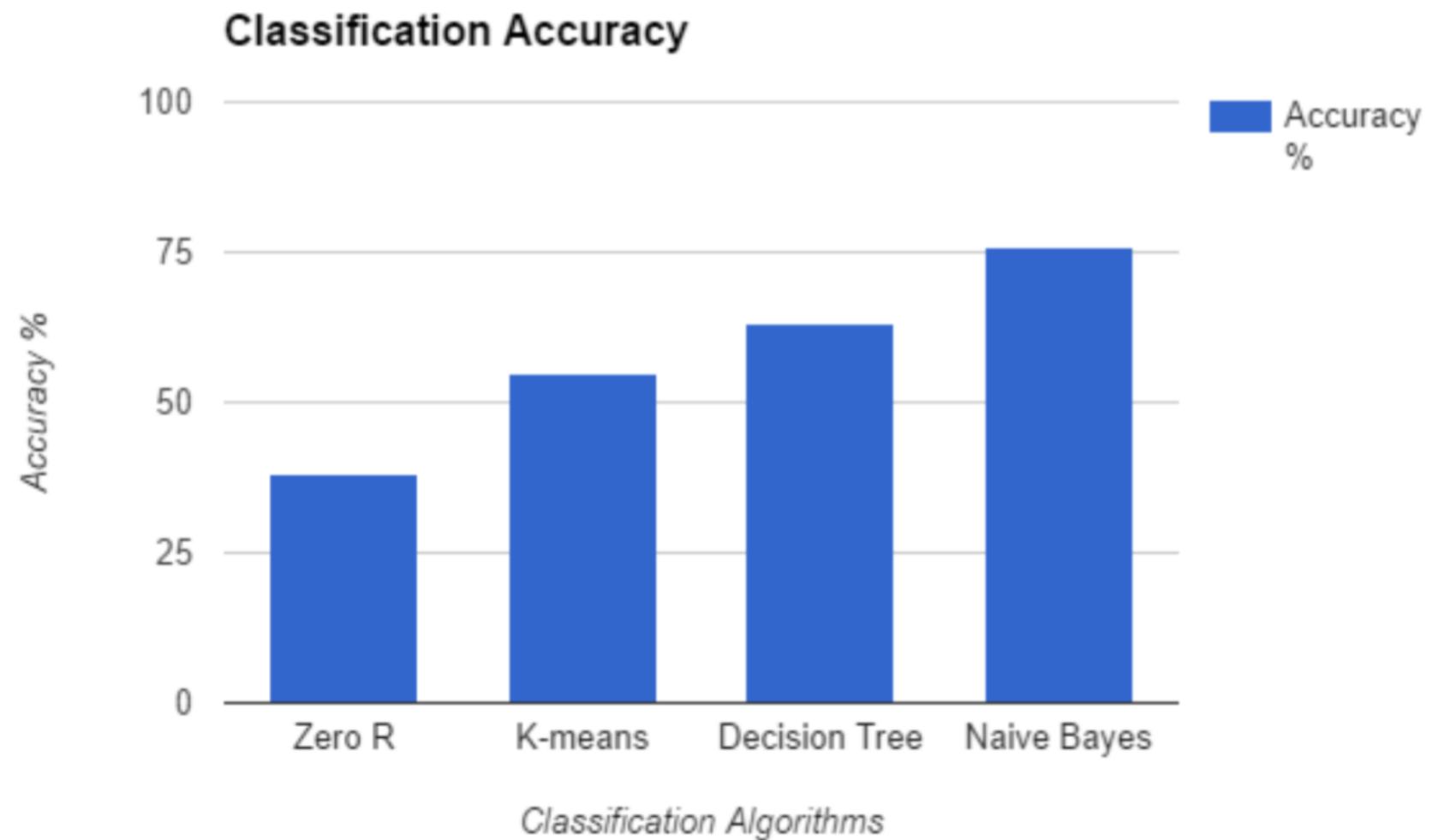
Priyanka Chopra stunned in a vintage @Halston gown at the #Baywatch premiere: thr.cm/Yg3B9k

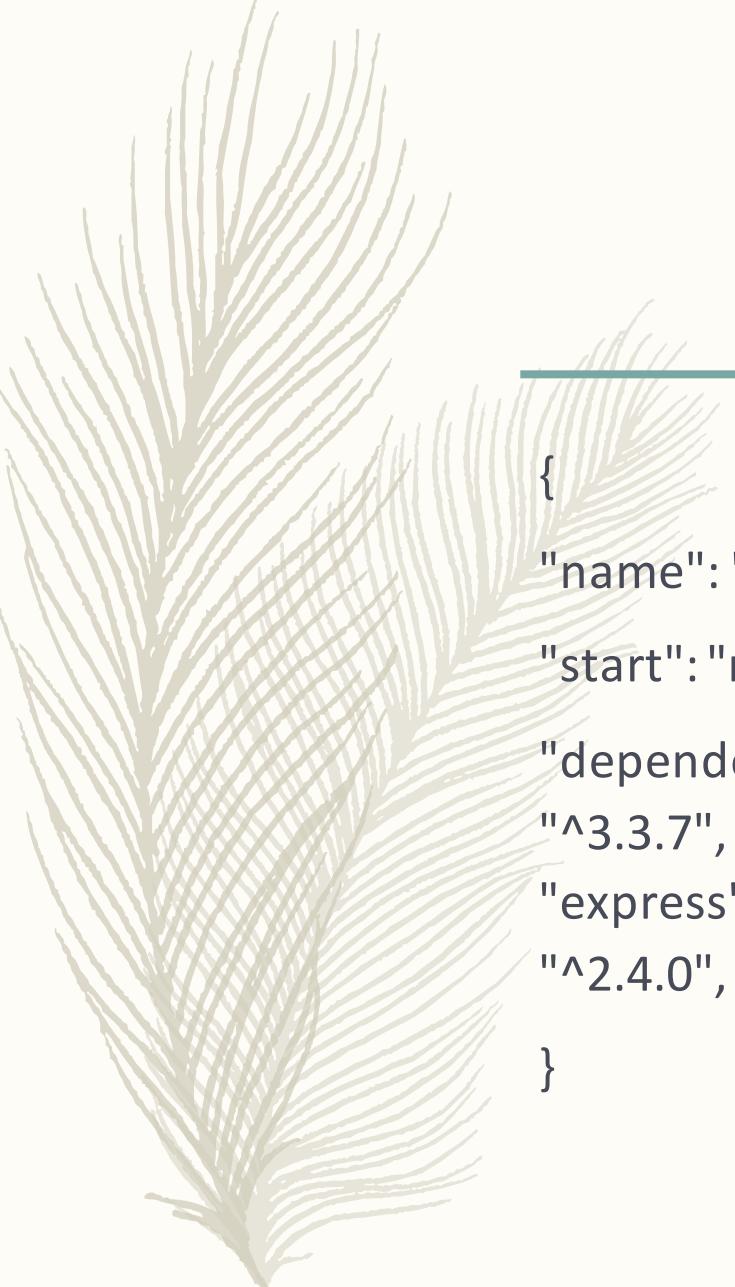


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Classification Algorithms





Package.json

```
{  
  "name": "BoxOffice", "version": "0.0.0", "private": true, "scripts": {  
    "start": "node ./bin/www" },  
  
  "dependencies": { "bcrypt-nodejs": "0.0.3", "body-parser": "~1.13.2", "bootstrap":  
    "^3.3.7", "cookie-parser": "~1.3.5", "debug": "~2.2.0", "ejs": "~2.3.3",  
    "express": "~4.13.1", "express-session": "^1.15.2", "jquery": "^3.2.1", "mongojs":  
    "^2.4.0", "morgan": "~1.6.1", "serve-favicon": "~2.3.0"  
  }  
}
```



Future Scope

- Since the world is moving towards mobile-first approach, it is always good to have a native application.
- The real time data can be fetched from more sites such as Twitter, which generally is the platform for people to voice their opinions about the movie. Since the Twitter offers sentiment analysis it is a good area to explore which can boost the accuracy. Also the dataset can be expanded to have more attributes by using multiple sources
- Expanding the project to solve the regression problem by predicting the gross collections of an movie based on the budget invested in the movie. This is however a difficult problem to solve and requires more research to solve it with good results.