

Fandango Activity

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Description of Data

This is the raw data behind the story “Be suspicious of online movie ratings, Especially Fandango’s” (<http://fivethirtyeight.com/features/fandango/fandango-movie-rating/>) The data frame contains every film that has a Rotten Tomato rating, a RT User rating, a metacritic score, a Metacritic User Score, and IMDB score, and at least 30 fan reviews of Fandango.

Load packages for this session

```
#install.packages("tidyverse")
library(tidyverse)
```

Import the Data

```
fandango <- read_csv("fandango.csv")
```

```
glimpse(fandango)
```

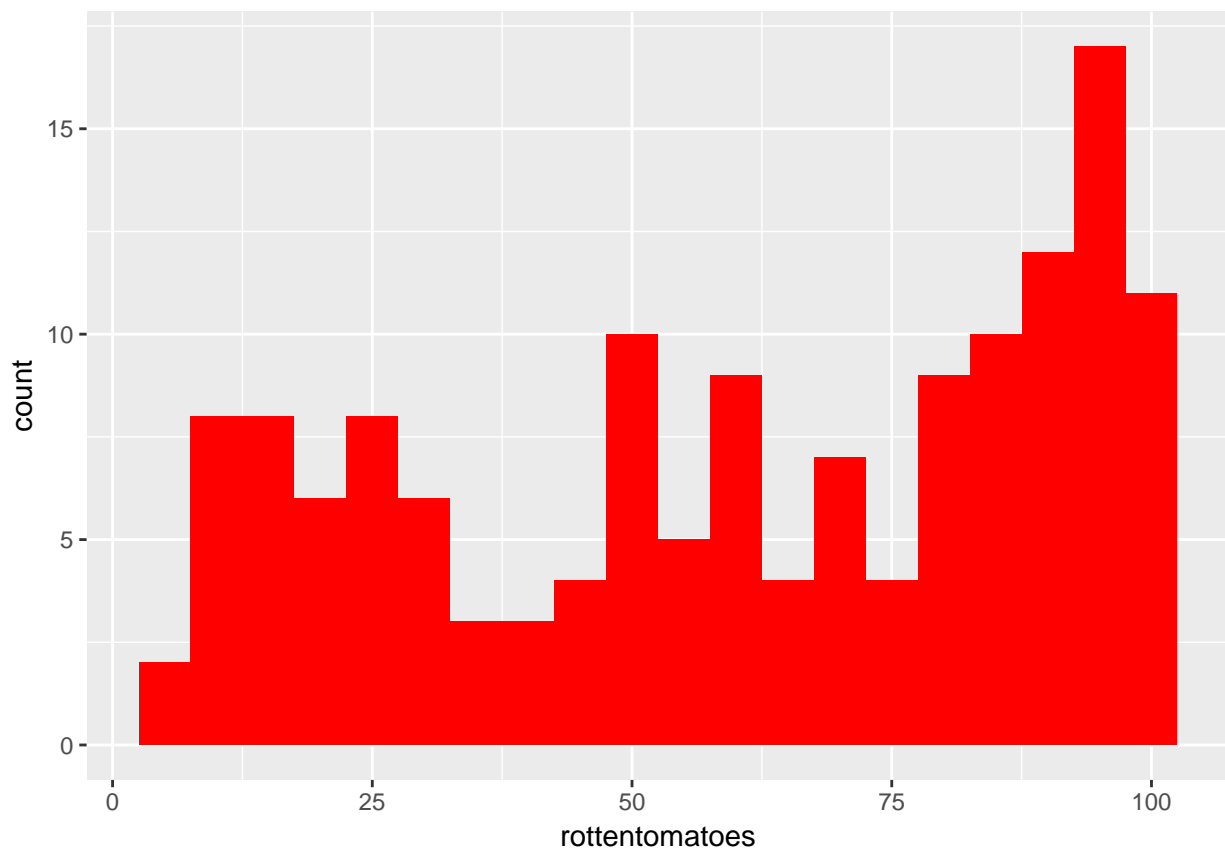
```
## Observations: 146
## Variables: 23
## $ film      <chr> "Avengers: Age of Ultron", "Cindere...
## $ year      <int> 2015, 2015, 2015, 2015, 2015, 2015,...
## $ rottentomatoes <int> 74, 85, 80, 18, 14, 63, 42, 86, 99,...
## $ rottentomatoes_user <int> 86, 80, 90, 84, 28, 62, 53, 64, 82,...
## $ metacritic  <int> 66, 67, 64, 22, 29, 50, 53, 81, 81,...
## $ metacritic_user <dbl> 7.1, 7.5, 8.1, 4.7, 3.4, 6.8, 7.6, ...
## $ imdb       <dbl> 7.8, 7.1, 7.8, 5.4, 5.1, 7.2, 6.9, ...
## $ fandango_stars <dbl> 5.0, 5.0, 5.0, 5.0, 3.5, 4.5, 4.0, ...
## $ fandango_ratingvalue <dbl> 4.5, 4.5, 4.5, 4.5, 3.0, 4.0, 3.5, ...
## $ rt_norm     <dbl> 3.70, 4.25, 4.00, 0.90, 0.70, 3.15,...
## $ rt_user_norm <dbl> 4.30, 4.00, 4.50, 4.20, 1.40, 3.10,...
## $ metacritic_norm <dbl> 3.30, 3.35, 3.20, 1.10, 1.45, 2.50,...
## $ metacritic_user_nom <dbl> 3.55, 3.75, 4.05, 2.35, 1.70, 3.40,...
```

```
## $ imdb_norm          <dbl> 3.90, 3.55, 3.90, 2.70, 2.55, 3.60,...
## $ rt_norm_round      <dbl> 3.5, 4.5, 4.0, 1.0, 0.5, 3.0, 2.0, ...
## $ rt_user_norm_round <dbl> 4.5, 4.0, 4.5, 4.0, 1.5, 3.0, 2.5, ...
## $ metacritic_norm_round <dbl> 3.5, 3.5, 3.0, 1.0, 1.5, 2.5, 2.5, ...
## $ metacritic_user_norm_round <dbl> 3.5, 4.0, 4.0, 2.5, 1.5, 3.5, 4.0, ...
## $ imdb_norm_round    <dbl> 4.0, 3.5, 4.0, 2.5, 2.5, 3.5, 3.5, ...
## $ metacritic_user_vote_count <int> 1330, 249, 627, 31, 88, 34, 17, 124...
## $ imdb_user_vote_count <int> 271107, 65709, 103660, 3136, 19560,...
## $ fandango_votes      <int> 14846, 12640, 12055, 1793, 1021, 39...
## $ fandango_difference <dbl> 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, 0.5, ...
```

#Pual Blart Mall Cop 2 is the worst movie rating

Create a Simple Graph

```
ggplot(fandango, aes(x=rottentomatoes)) + geom_histogram(binwidth=5, fill="red")
```



Looking at the above graph, it seems that most movies are ranked in the 90-95% range using the rottentomatoes score. However, the graph seems to have “hump” along the entire percentage range.