

Visualizations on Movielens datasets

Datasets: 10M dataset downloaded from Movielens site.

For the purpose of making visualizations three datasets, movies.csv, tags.csv, ratings.csv are merged in Tableau.

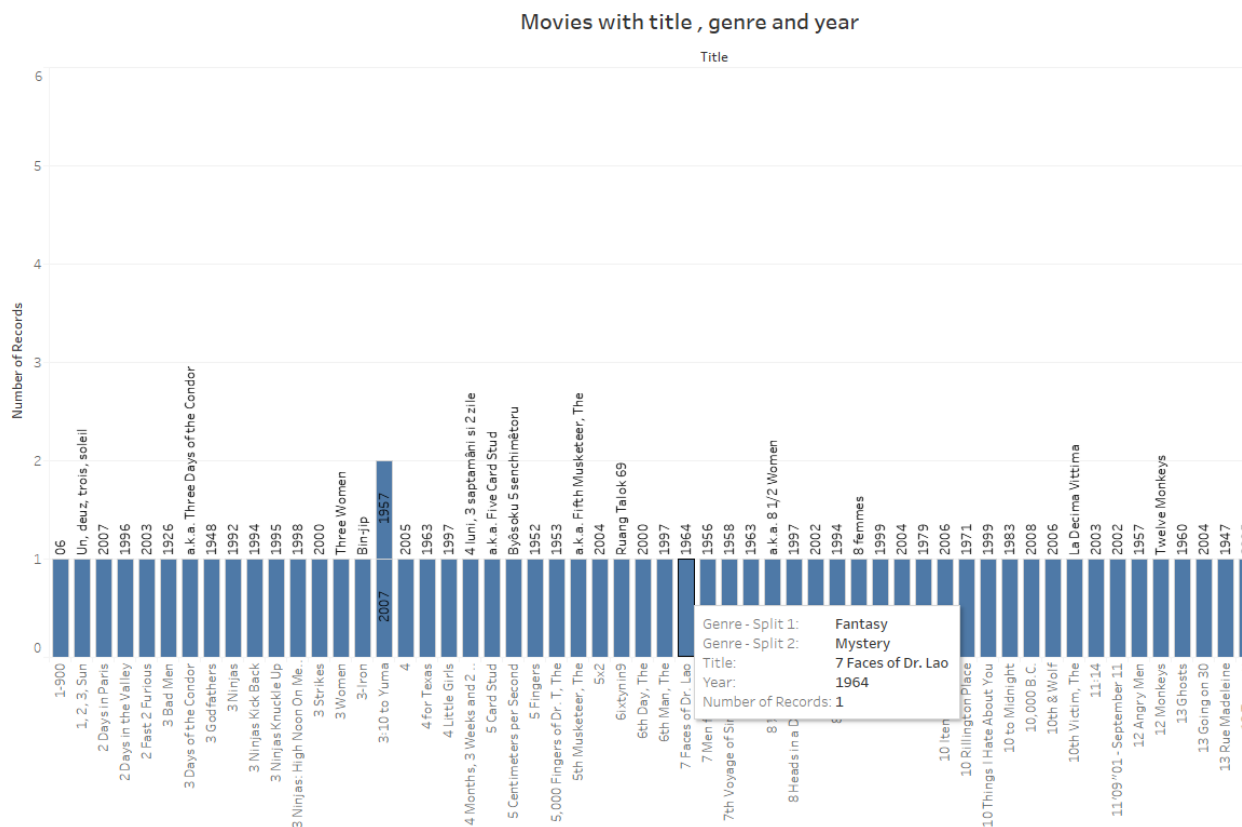


Fig 1: Movies and their genres labeled by year

Summary:

1. On every click on the bar we can visualize the movie name, its genre and the year it got released.
2. At the most one record per movie unless it is released twice (could be remake).

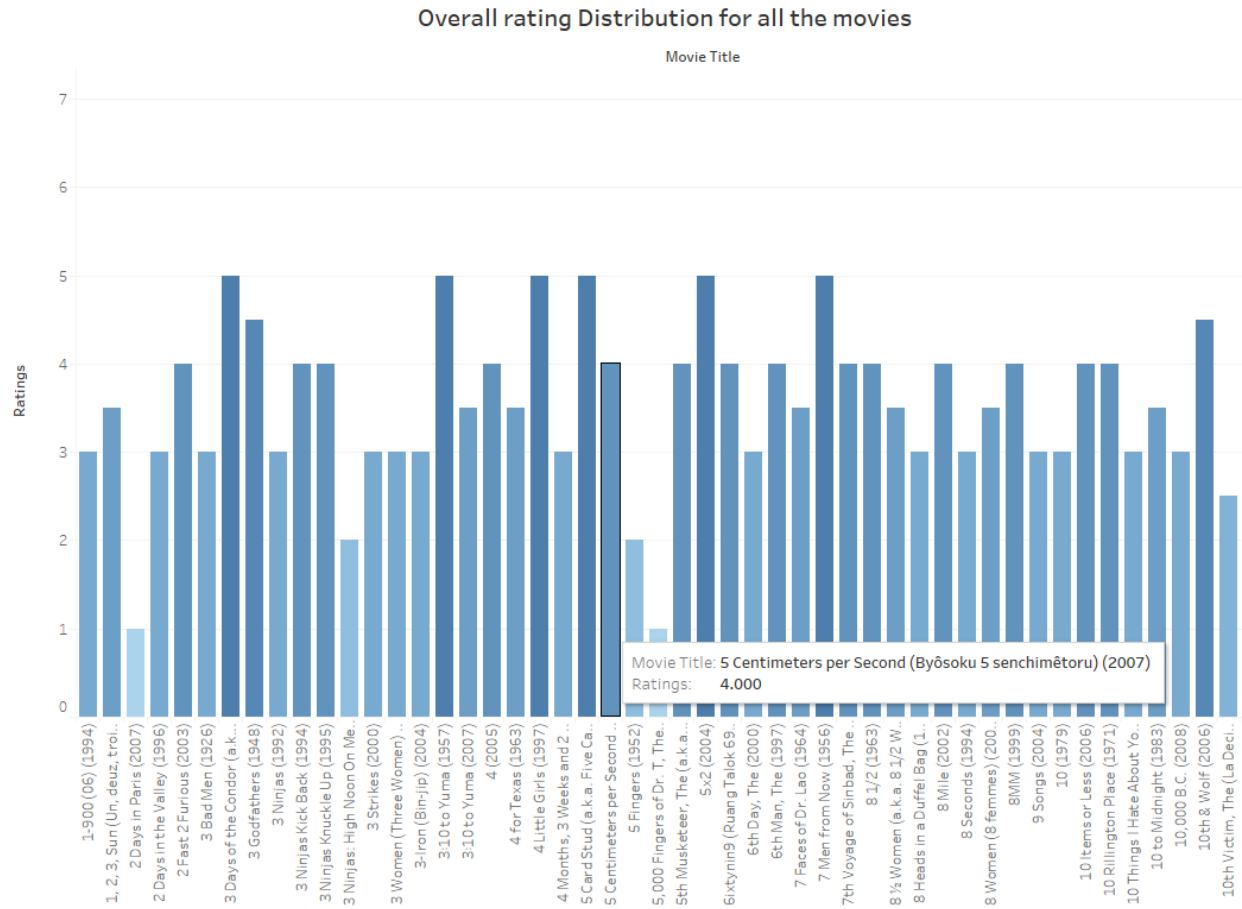


Fig 2: Rating Distribution

Summary:

1. Depicts overall rating distribution with respect to all the movies with details of movie name and rating on each bar.

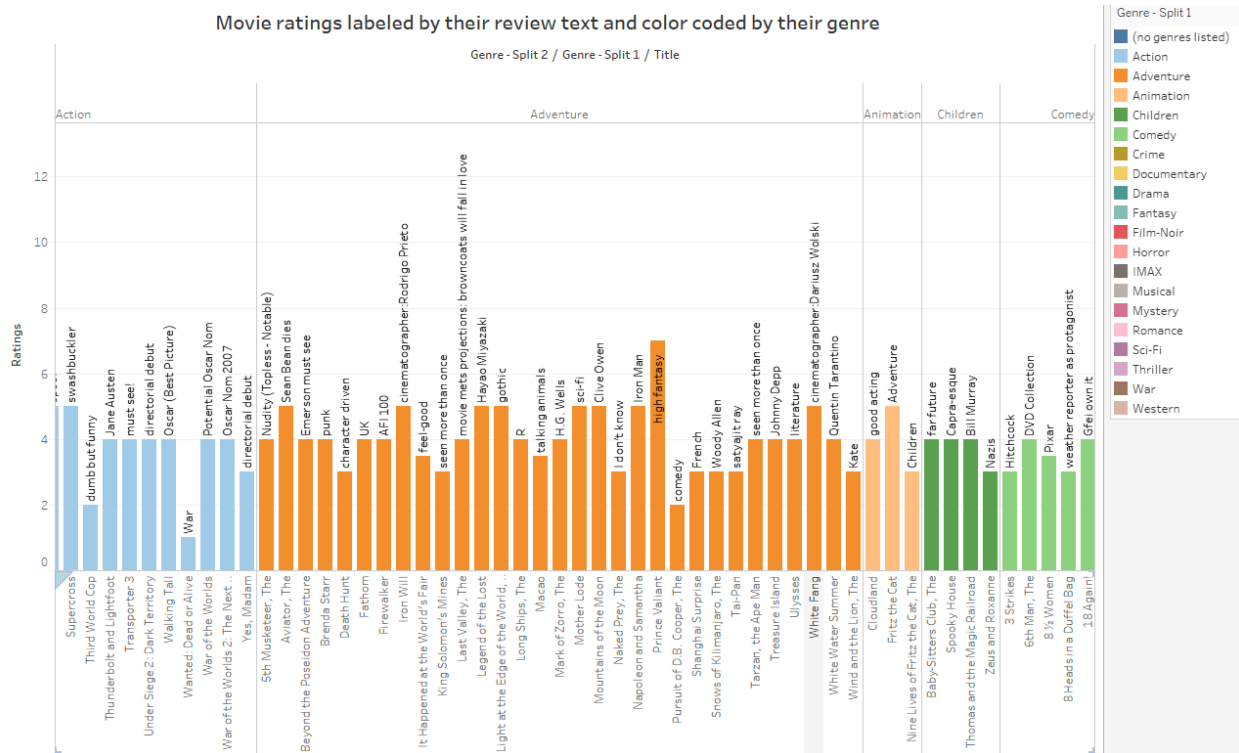


Fig 3: Movies and their ratings

Summary:

1. Ratings of the movies categorized by genre. We can visualize which genre is mostly liked in Movielens.(Could be useful for making business decisions)
2. Labeled by review text. We can easily chose the highest rated movie with respect to genre and with good review.

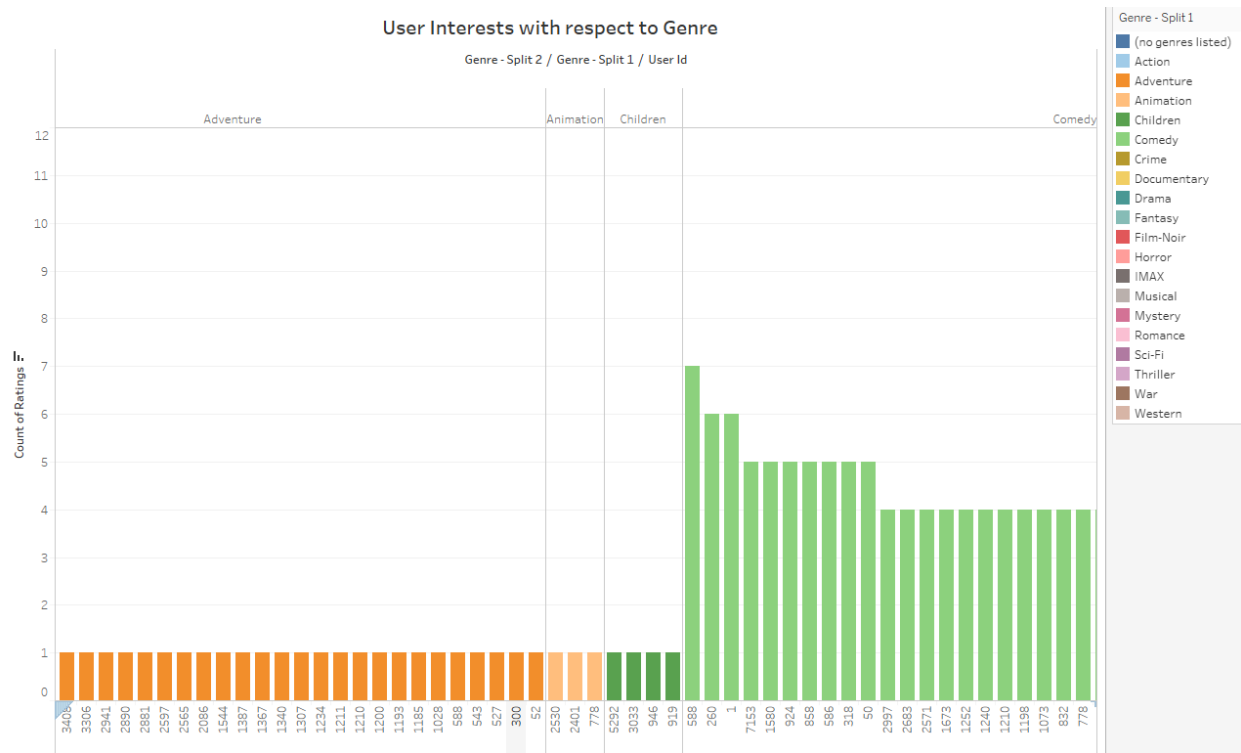


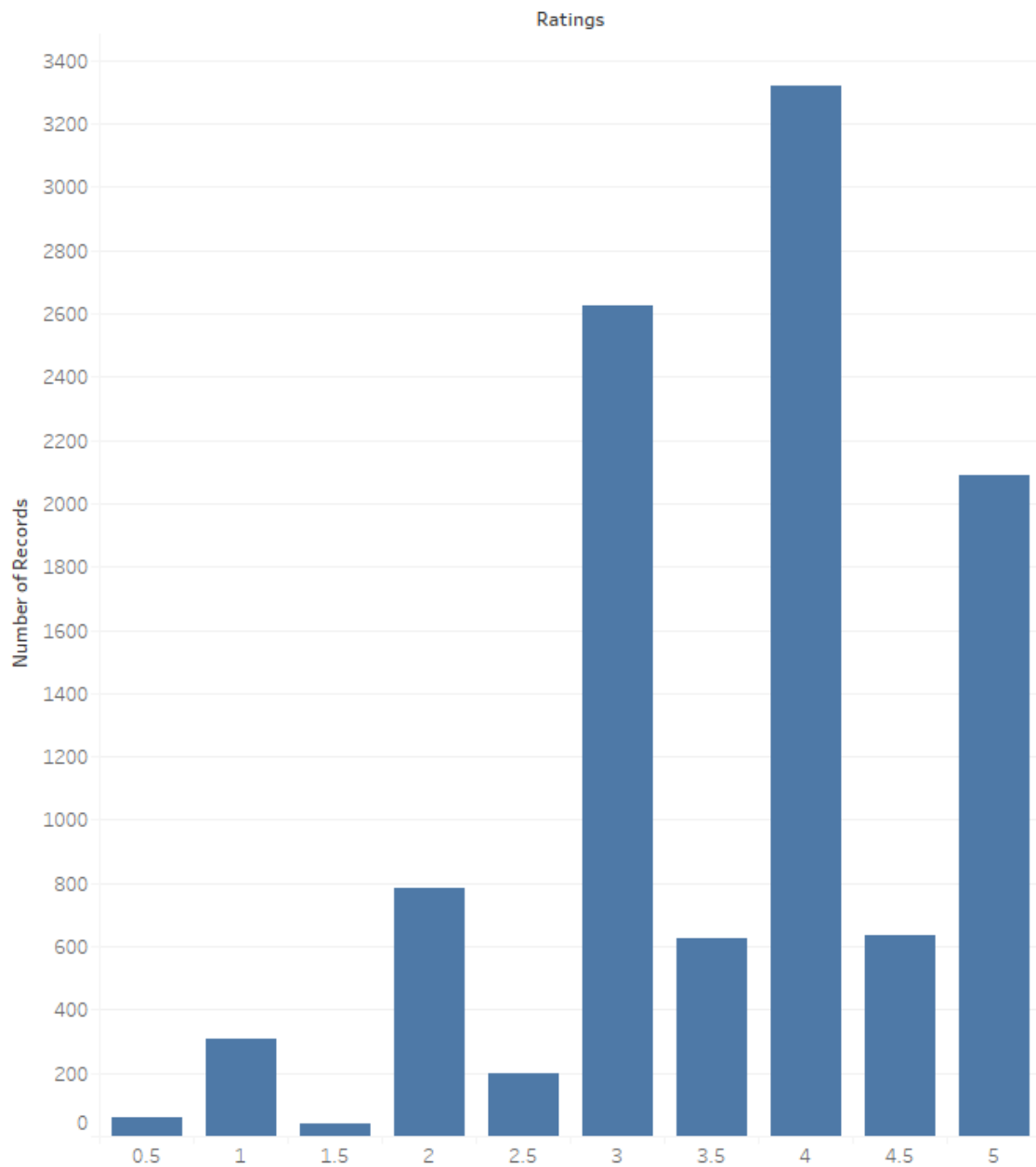
Fig 4: User interests per Genre

Summary:

1. We can depict easily user interests per genre by the number of ratings each genre achieved.

Fig 5: Rating Distribution

Rating Distribution



Summary:

1. We conclude from the graph that the ratings for the movies biased towards ratings 3, 4 and 5.