Analysis on Movie Lens Data Set

Shri Vishnu Engineering College For Women

Talent Sprint

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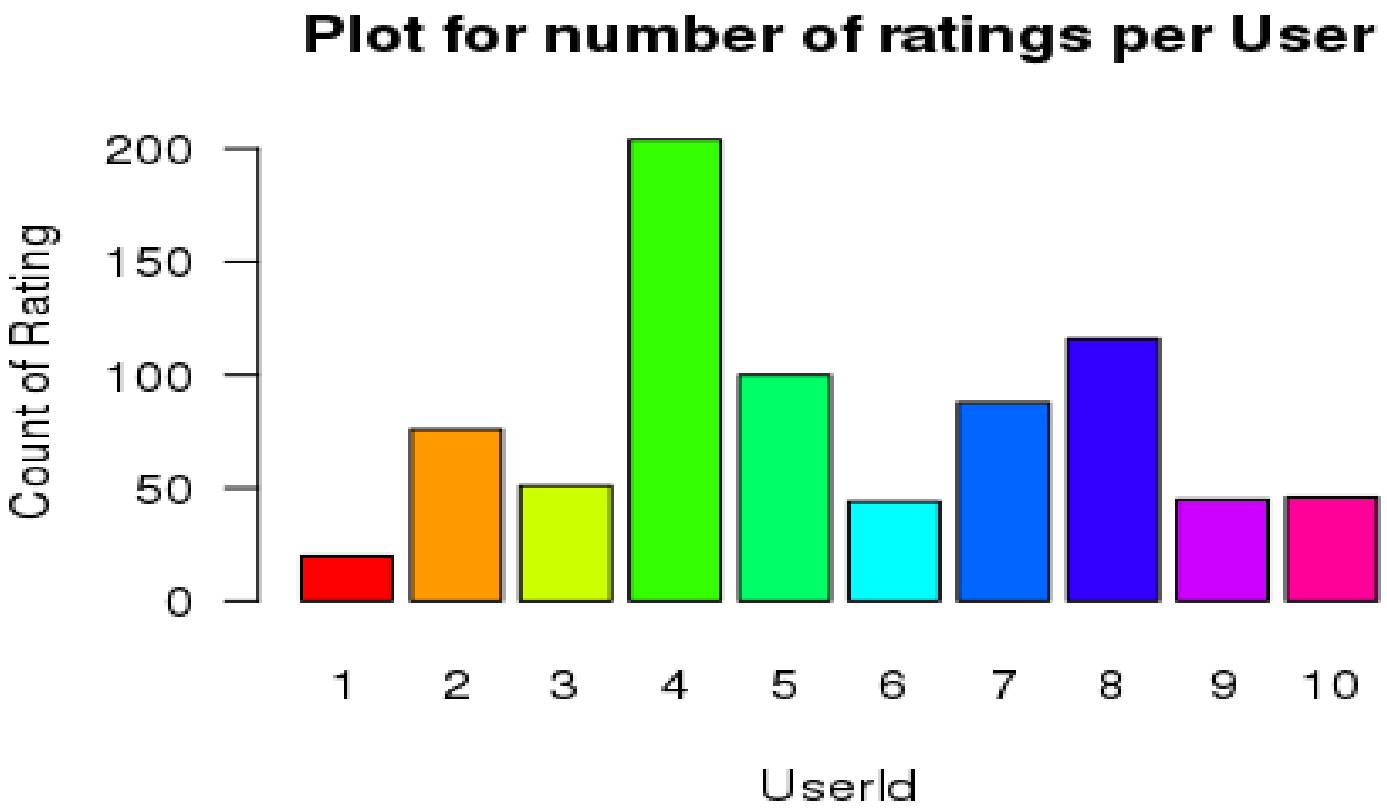
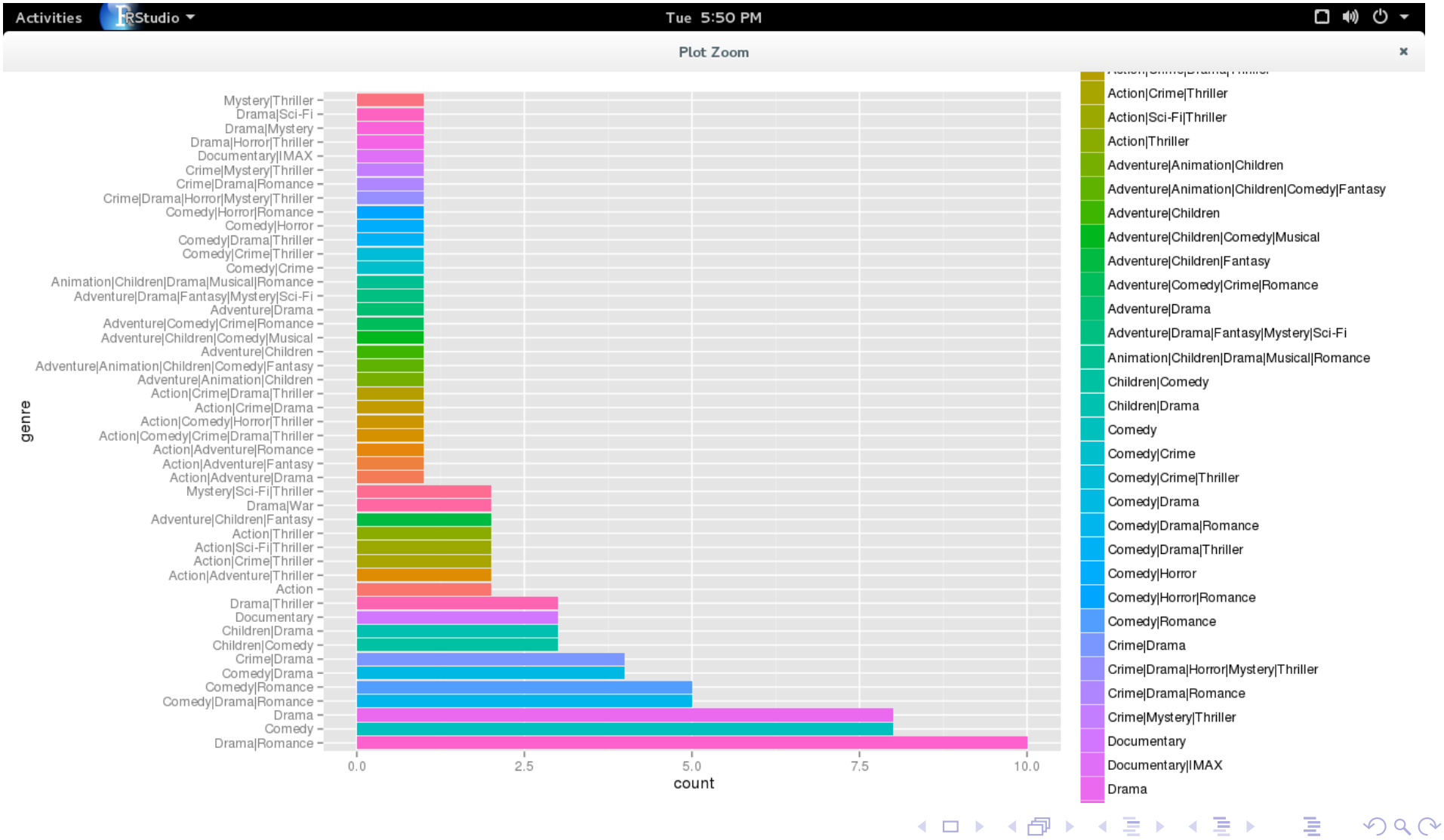
INTRODUCTION

MovieLens is a recommender system and virtual community website that recommends movies for its users to watch, based on their film preferences using collaborative filtering.

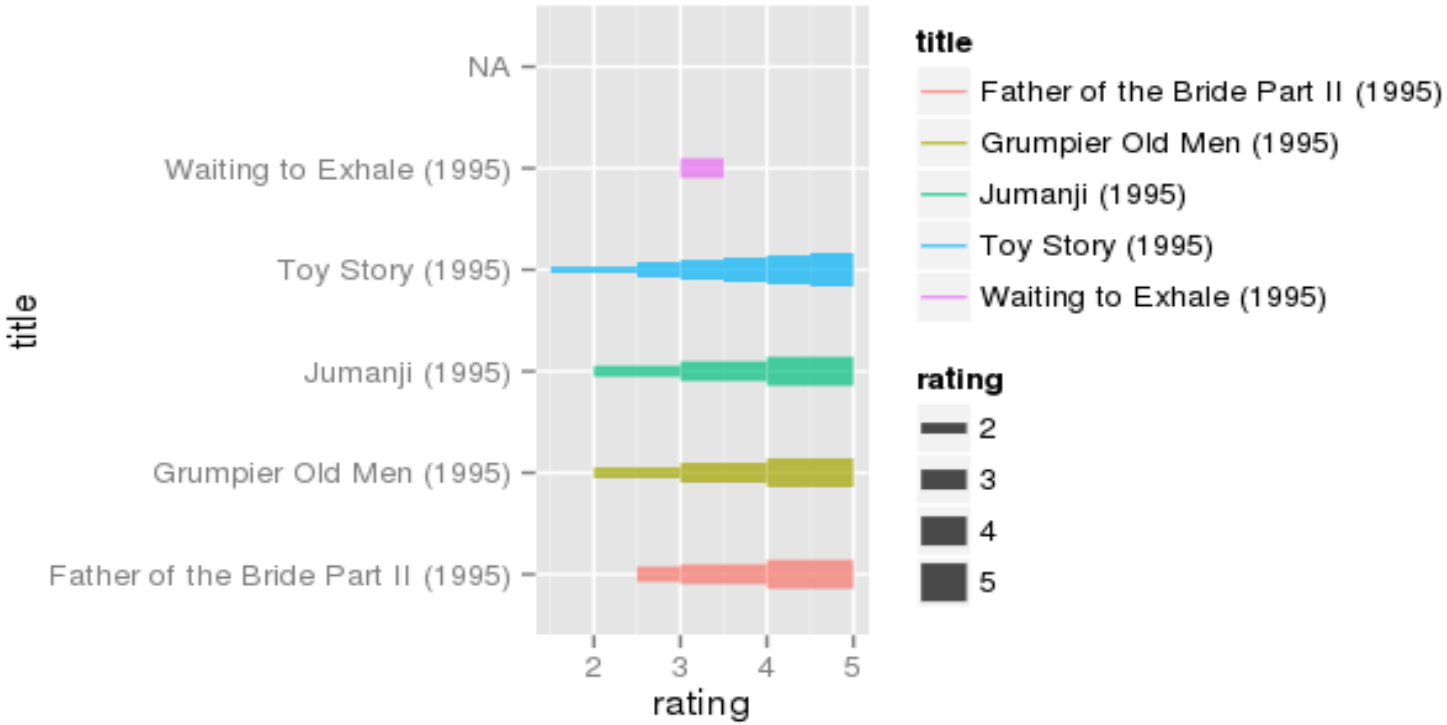
BarPlot


Plot for number of ratings per User
Count of Rating
200
150
100
50
0
1
2
3
4
5
6
7
8
9
10
UserId

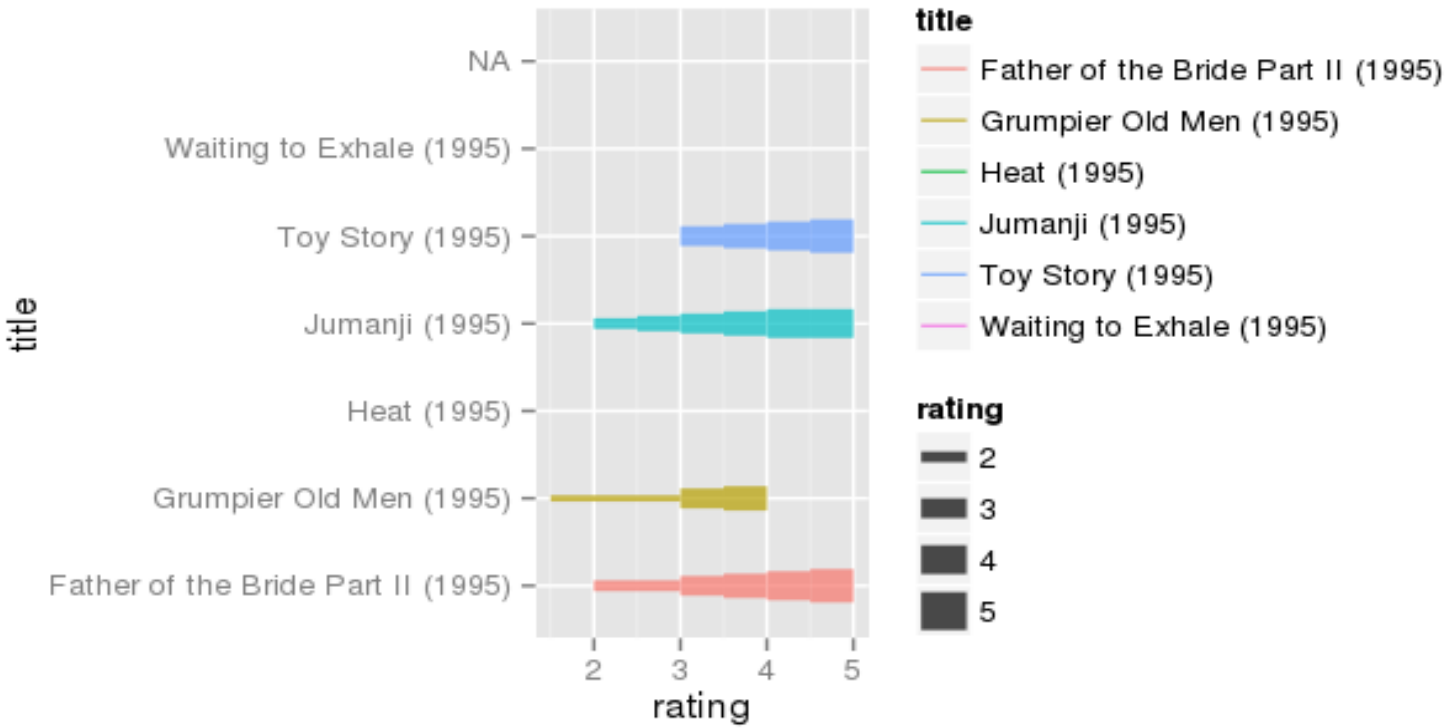
Genre categories



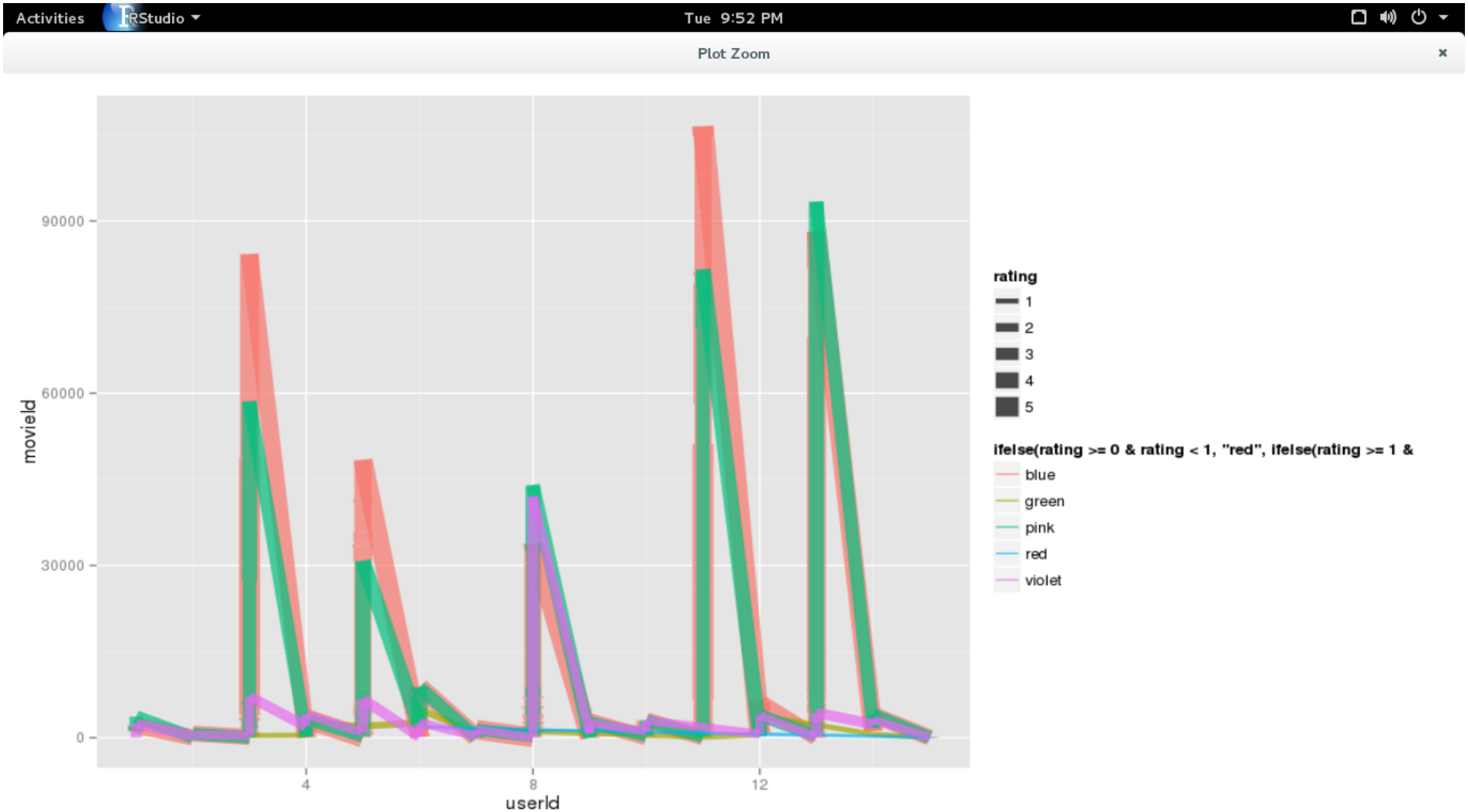
QPLOT


title
NA
Waiting to Exhale (1995)
Toy Story (1995)
Jumanji (1995)
Grumpier Old Men (1995)
Father of the Bride Part II (1995)
2
3
4
5
rating
title
Father of the Bride Part II (1995)
Grumpier Old Men (1995)
Jumanji (1995)
Toy Story (1995)
Waiting to Exhale (1995)
rating
2
3
4
5

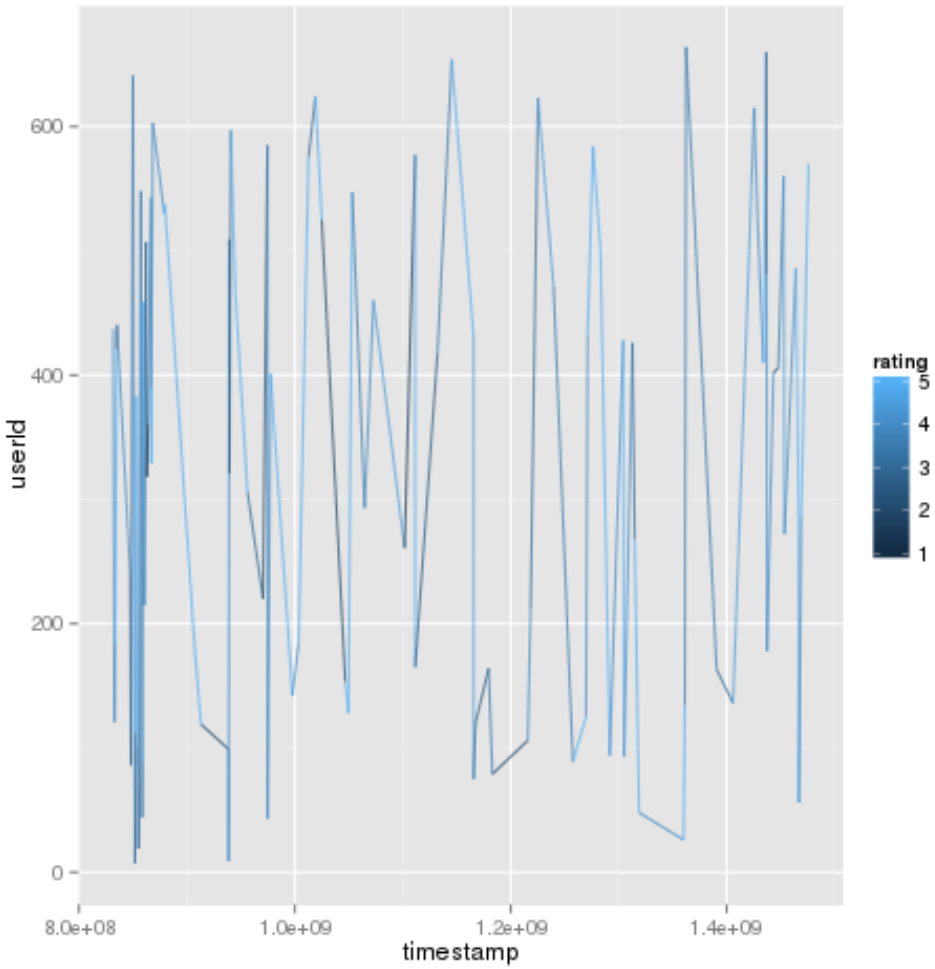
QPLOT

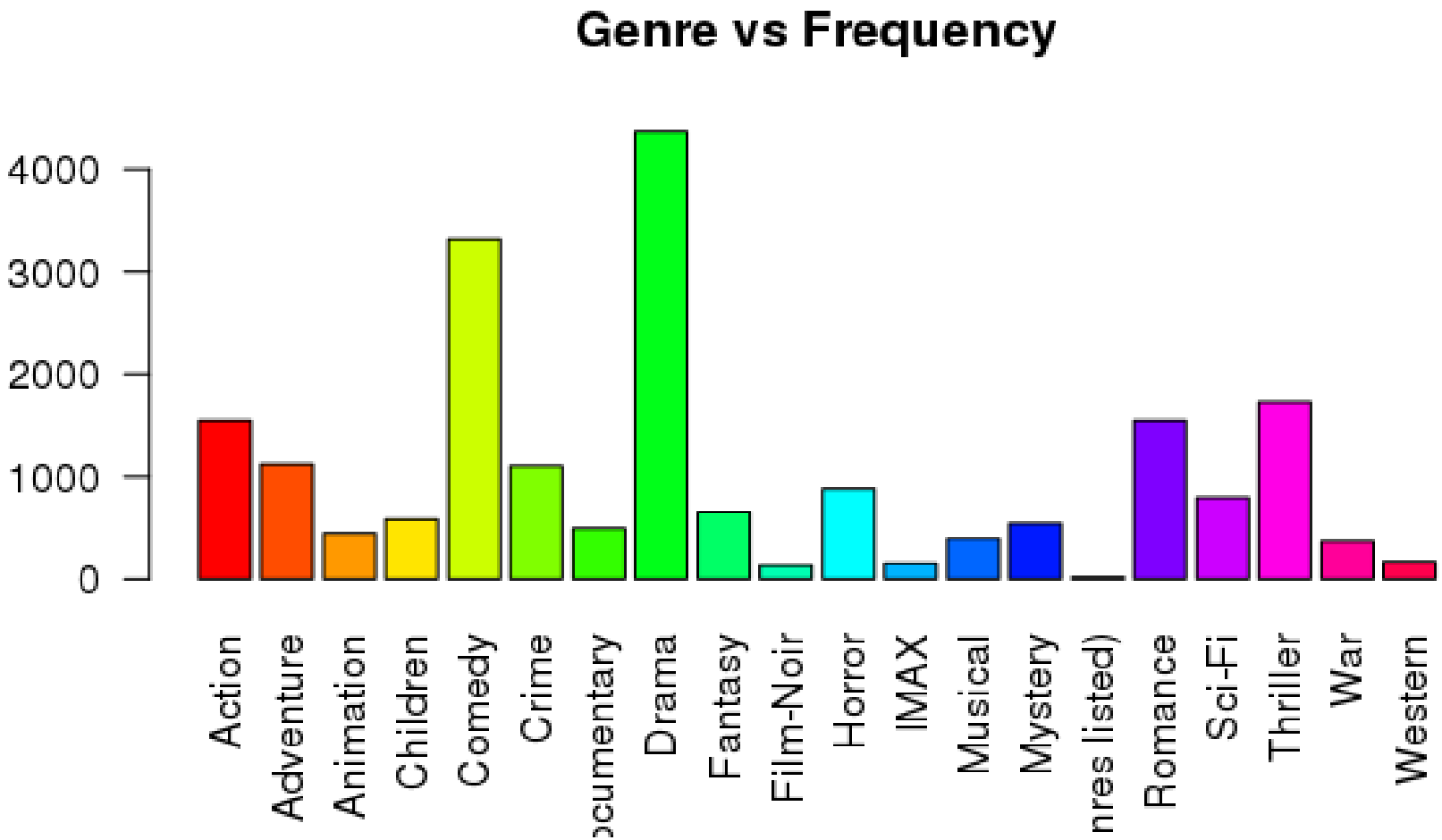

title
NA
Waiting to Exhale (1995)
Toy Story (1995)
Jumanji (1995)
Heat (1995)
Grumpier Old Men (1995)
Father of the Bride Part II (1995)
2
3
4
5
rating
title
Father of the Bride Part II (1995)
Grumpier Old Men (1995)
Heat (1995)
Jumanji (1995)
Toy Story (1995)
Waiting to Exhale (1995)
rating
2
3
4
5

Merging Data



Peak Time Analysis




Genre vs Frequency
4000
3000
2000
1000
0
Action
Adventure
Animation
Children
Comedy
Crime
ocumentary
Drama
Fantasy
Film-Noir
Horror
IMAX
Musical
Mystery
nres listed)
Romance
Sci-Fi
Thriller
War
Western

Tools Used

1. R Studio
2. Latex Beamer

Libraries Used

1.ggplot2
2. stringr

Thank You!