

Analysis of Movie Genre and Critical Reception

put your name here

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Introduction

The dataset `movies.csv` contains 651 observations of different movies across 32 variables. The dataset was edited using the statistical programming language R to contain 28 variables, with 6 variables for year, month and day of release at theatres and on DVD collapsed into two date vectors, and other variables coerced to relevant formats (factor for categorical variables, and logical for binary variables).

Research Question

Do different genres receive varying critical appreciation? It was decided to compare the 5 most prominent movie genres ('Action and Adventure', 'Comedy', 'Documentary', 'Drama', 'Mystery and Suspense') with their critical ratings ('Rotten', 'Fresh', 'Certified Fresh') to determine if there is a statistically significant correlation between the two variables.

Analysis

A preliminary inspection of the data revealed an apparently non-random distribution of critical ratings according to genre. The tables below provide a summary of raw and proportional distributions.

copy and paste here the console output from your raw contingency table

Figure 1: Contingency table