

Movie Visualizations

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Group 12

Datasets

- Movies
- Complete List of Oscar Nominees and Winners for **1927-2010** from [AggData](#)

Questions

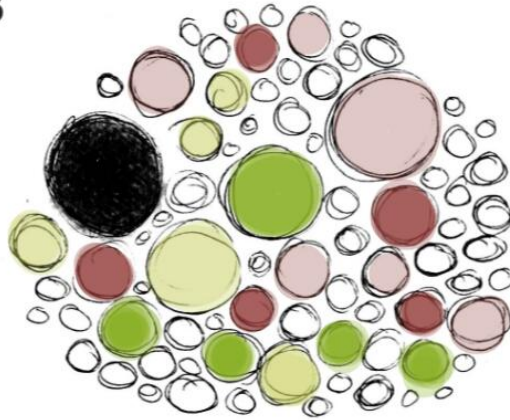
- Are there **countries** that make a lot of movies?
- What is the **income** for a person in the movie industry?
- Is there a difference in **box office numbers** for **movie genres**?
- Do the **user ratings** match the number of **academy awards** received?
- Is there a trend in the **movie genres**, that an **actor** stars in?
- How do **actors** influence the number of **academy awards**?
- How do **genres** influence the number of **academy awards**?

Sketches

- What is the **income** for a person in the movie industry?
- Is there a difference in **box office numbers** for **movie genres**?
- Is there a trend in the **movie genres**, that an **actor** stars in?
- How are **academy awards** influenced by **actors and genres**?
- Do **user ratings** match the number of **academy awards** received?

What is the **income** for a person in the movie industry?

1998



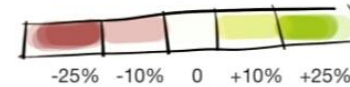
1990

2014

● → **Actor**

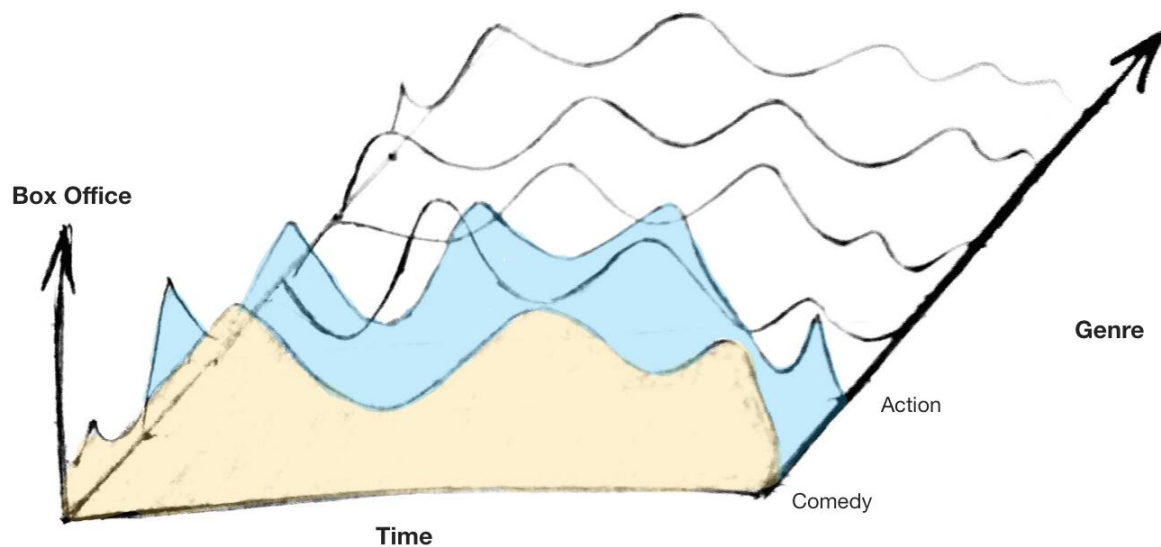
Size: Yearly Income

Color: Increase/Decrease
of income from
previous year



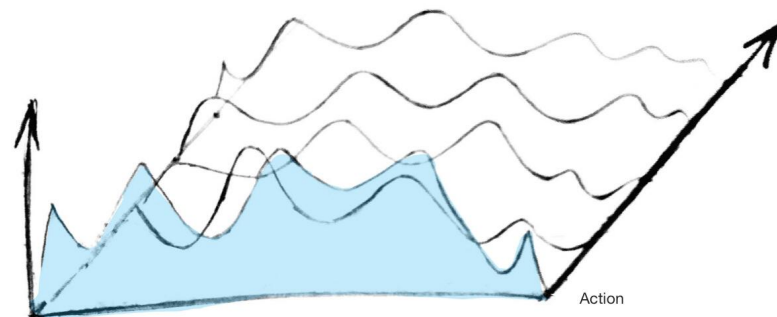
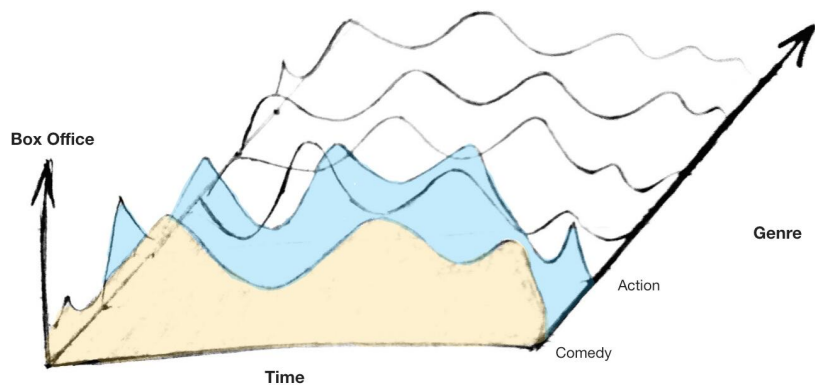
Income Overview for Selected Actor

Is there a difference in **box office numbers** for **movie genres**?

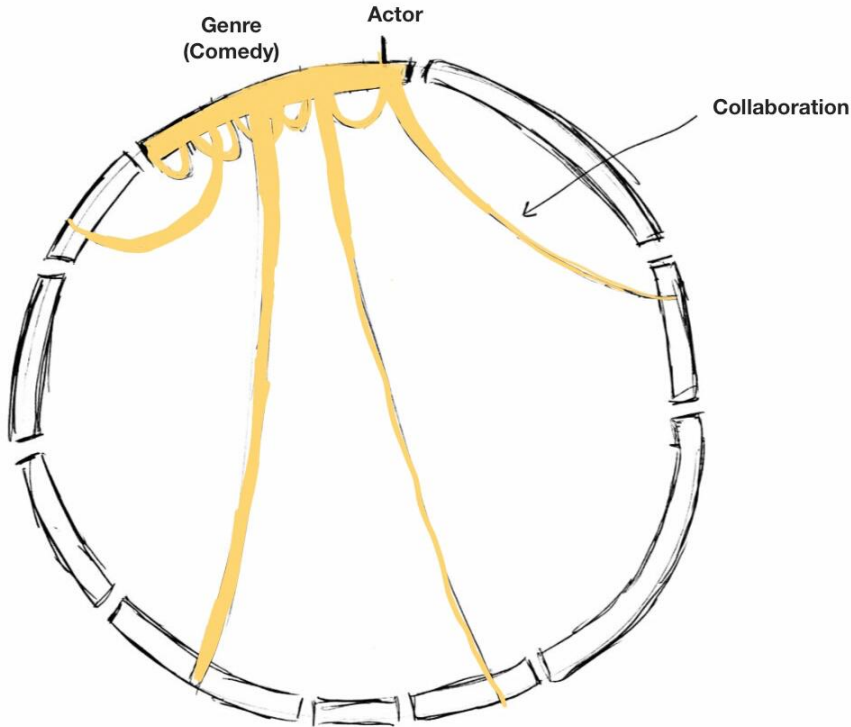


Box office can also be average rating or budget.

Is there a difference in box office numbers for movie genres?

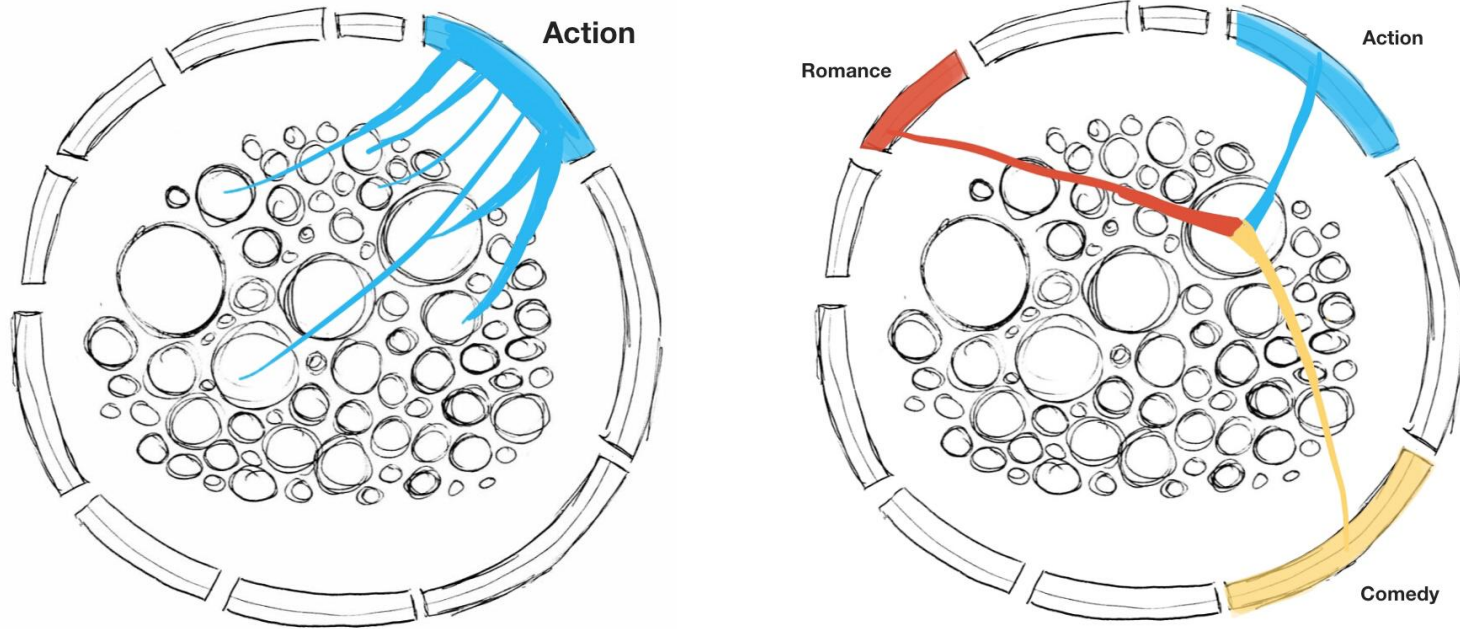


Is there a trend in the **movie genres**, that an **actor** stars in?



- Group actors by movie genre
- Semantic color coding for each genre
- Size of the genre bar based on number of actors in the category
- Collaborations with other actors makes connections between actors
- Connection thickness is determined by collaboration frequency

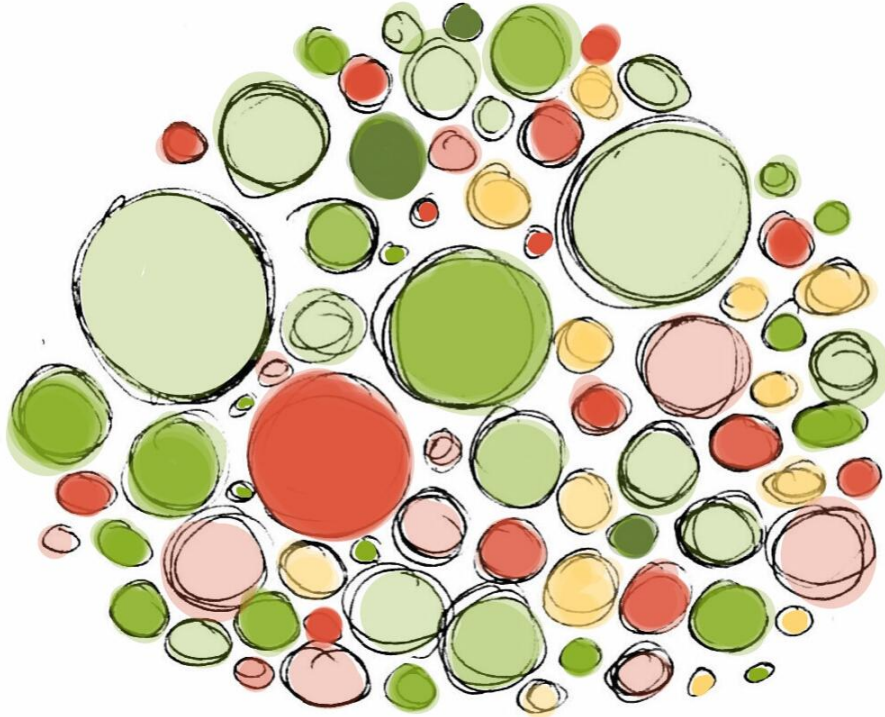
How are **academy awards** influenced by **actors** and **genres**?



A bubble is a movie, size is the number of academy awards.

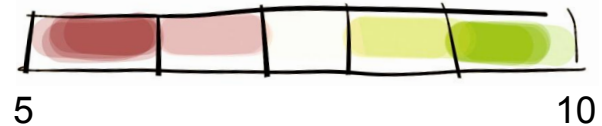
Movies close to each other have similar cast.

Do **user ratings** match the number of **academy awards**?



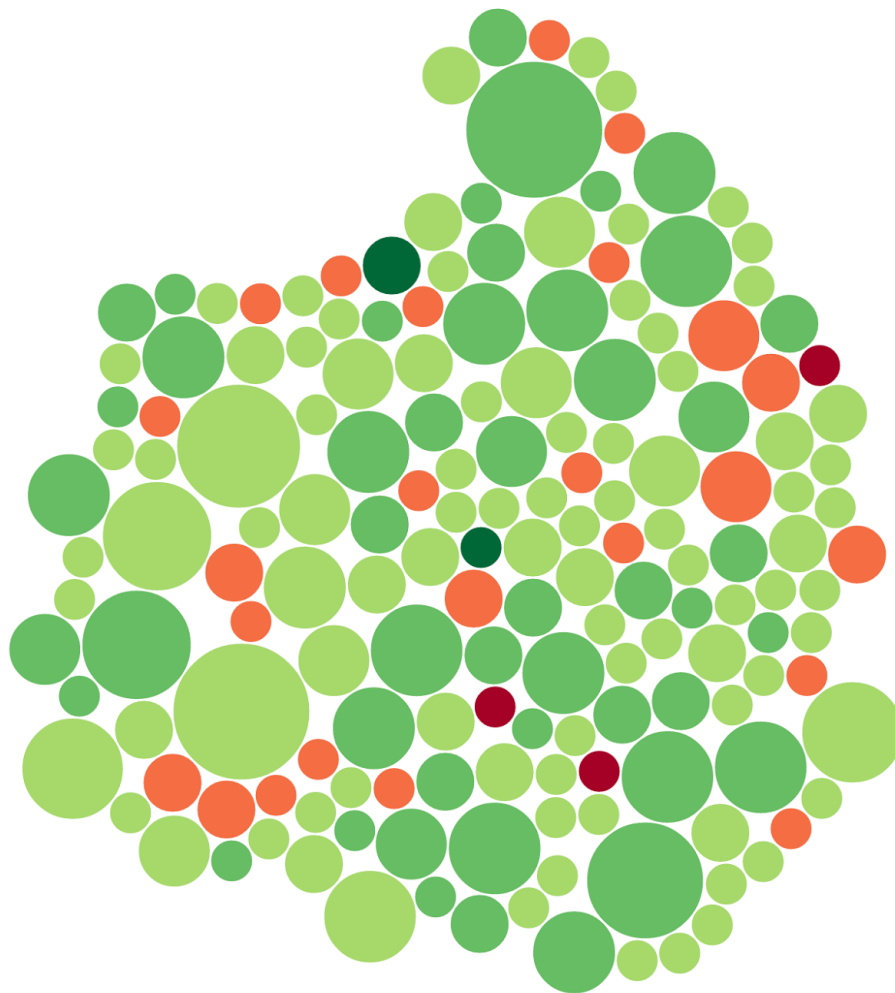
Movies as Bubbles

- Size is the number of oscars
- Color is the user rating



**Do user ratings match the number
of academy awards?**

DEMO



Rating

5 - 6

6 - 7

7 - 8

8 - 9

9 - 10

Sort by

Rating

Number of Oscars

Year

Reset

Bubble chart showing movies. One bubble represents a movie. The size is relevant to the number of academy awards received. The color shows the user rating from IMDB.

Patterns and Interesting Things

- Small green bubbles → Really popular, but few awards
- Big red bubbles → Unpopular, but many awards
- Rating 8-9 has the most academy awards
- Rating 7-8 has many movies with 1-2 awards and then a few movies that received a lot of awards

Future Extensions

- Order by year
- Group by actor collaboration
- Effect of genre (instead of rating)