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Offer a recommender system as an interactive visualization.

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- Which are the best ranked movies in the data set?

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- Which movies, that I like, are in the list?
- Which movies are in the list that I might like?

Which are the best ranked movies in the data set?

- Positioning the best film in the middle;
- Making the size of the poster proportional to the score of the movie.

Demo

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Which movies, that I like, are in the list?

Visualizing the poster of each movie. In this way it is simple to recognize the movies that I watched.

Demo

Which movies are in the list that I might like?

- Using a similarity matrix between movies;
- Developing an algorithm that spreads the movies by taking into account the similarity matrix

The Visual Information-Seeking Mantra [Shneiderman, 1996]

- Overview first.
- Zoom and filter,
- Details-on-demand.

Variable	D	F	D'	X	Y	Z	T	R	-	[]	СР
Poster	QL							IM			
Rank	Q							S			
Similarity	Q			Р	Р						
Year	Q	br>									
Title	0	box>									
Actor	0	box>									
Actress	0	box>									
Director	0	box>									
Genre	N	br>									

The Visualization

InfoViz Project Top 100 movies



Similarity Matrix

Formula

The distance between films is inversely proportional to similarity

$$S = \frac{1}{2} \left(\frac{|\text{common critics}|}{\max(|\text{list } 1.|, |\text{list } 2.|)} + \frac{|\text{common genres}|}{|\text{genres}|} \right)$$

Demo