

ABSTRACT

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In a Bollywood actors network, each actor is a node and the link between 2 actors exist if and only if they co-acted in same film and weight is number of film they co-acted. The network is constructed for 70's, 80's, 90's and 2000 decades separately. If a same actor is present in 2 different decades, then those 2 nodes are connected by a link of weight -1. Each node has a value which determines the star value of that actor.

Points to be analyzed:

1. The changing trend of casting in Bollywood over decades. (For every film how the casting or choosing of actors takes place is a important factor to be reviewed)
2. The survivability of actors over these years and ups and downs in their careers (See in how many decades the same actor was present and changes in their star value in those decades)
3. Polarization of actors in each decade.(The actors who only act with small group of actors)
4. Assortivity in Bollywood as years move ahead.(i.e. actors co-act with other actors of same star value)

Reference:

1. José J. Ramasco , S. N. Dorogovtsev , Romualdo Pastor-Satorras
- Self-organization of collaboration networks.
2. M.E.J Newman - Structure of Scientific Collaborations.