**Social Network Analysis of #HarGharTiranga – the 75th Independence Day of India**

*Objectives.* This study explores how the influential twitter users play an important role in social networks for the 75th Independence Day of India. *Methods*. This study employs social network analyses based on 12,253 Twitter users and 35,947 tweets of Twitter. *Results.*

**1. Generalized Insights**

Most mentions, Retweet vs Normal Tweet, Total number of tweeted users, total number of tweets, data was collected on 3rd September 2022. Impacts of mention, retweets

**2. Converting the data into a NetworkX graph**

All users who have tweeted are nodes, if a user mentions another user an edge is formed, nodes increased after adding edges, coz users who haven’t tweeted were also mentioned by tweeted users

**3. Analysing using basic social network measures**

Density, degree, degree assortativity, page rank

**4. Analysing using centrality measures**

Betweenness centrality, Closeness centrality, Katz centrality, Eigen vector centrality

**5. Most used words**

Explanation of word-cloud

**6. Visualizing the network**

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