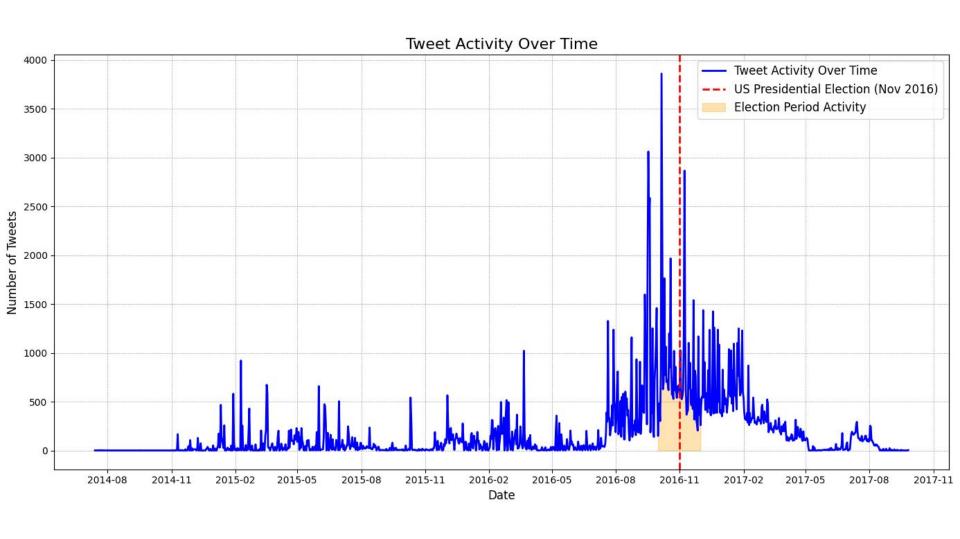
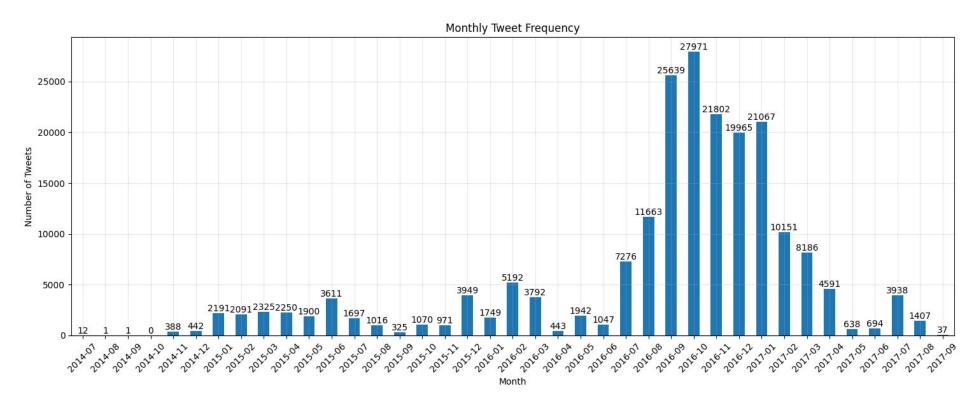
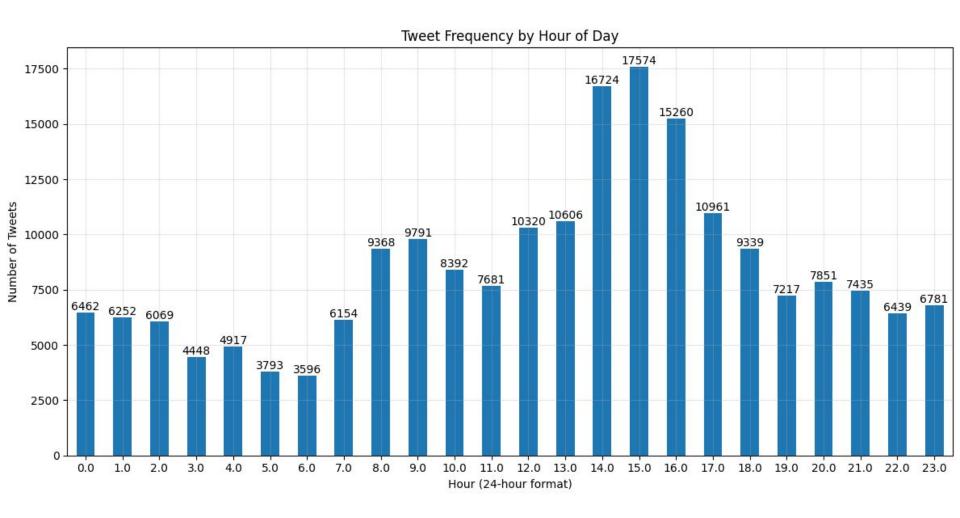
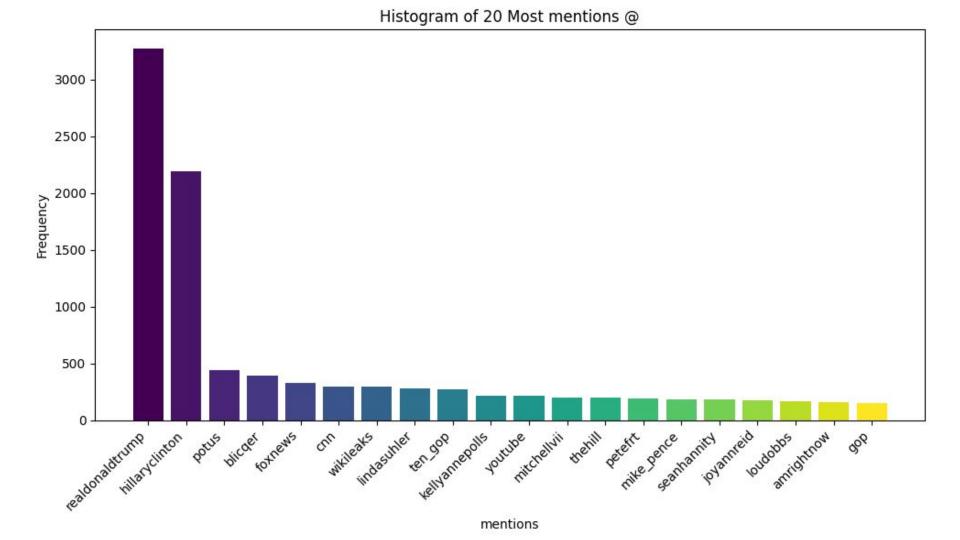
RUSSIAN TROLLS

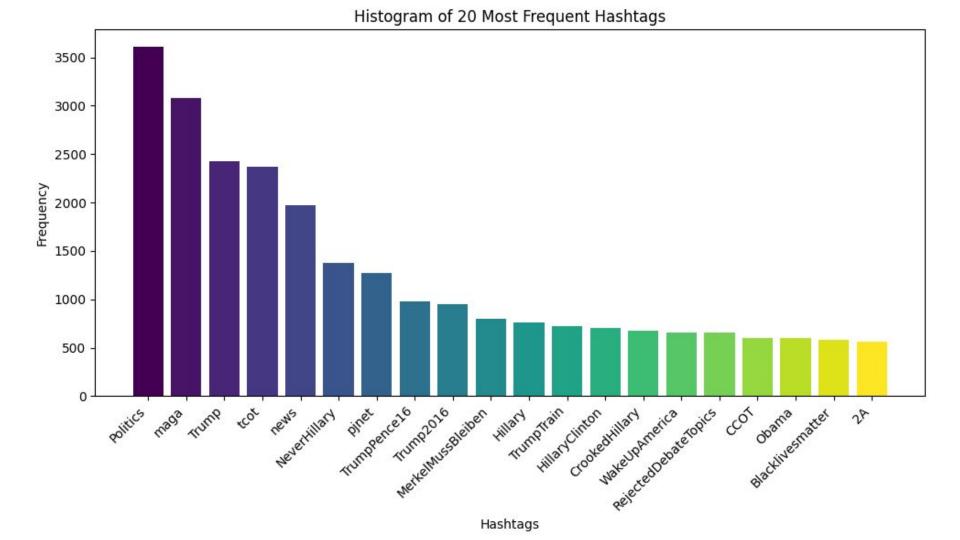
Filip Kucia Weronika Plichta



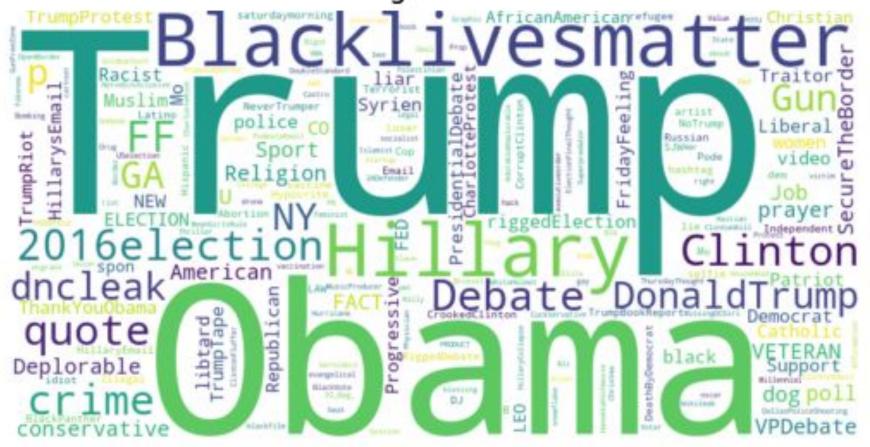








Hashtag Word Cloud



Retweet Network (Node Size by PageRank)

Eigenvector centrality calculation did not converge.

Network Statistics:

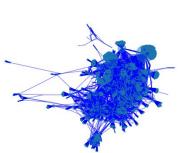
Density: 7.32853272007078e-05

Average Clustering Coefficient: 0.0

Number of Connected Components: 35

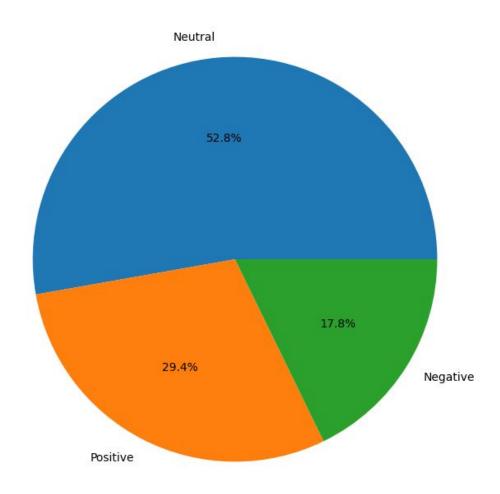
Diameter: Graph is not connected;

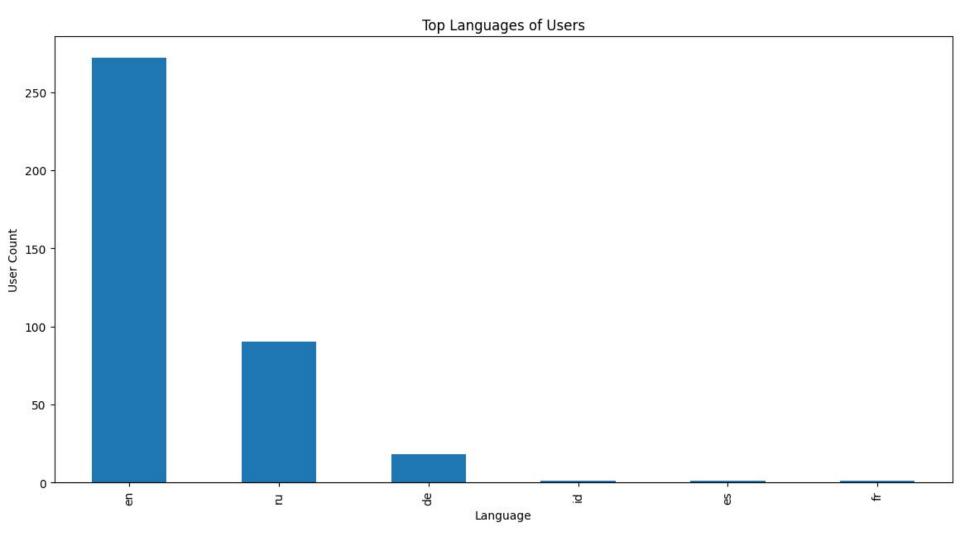
diameter is undefined.



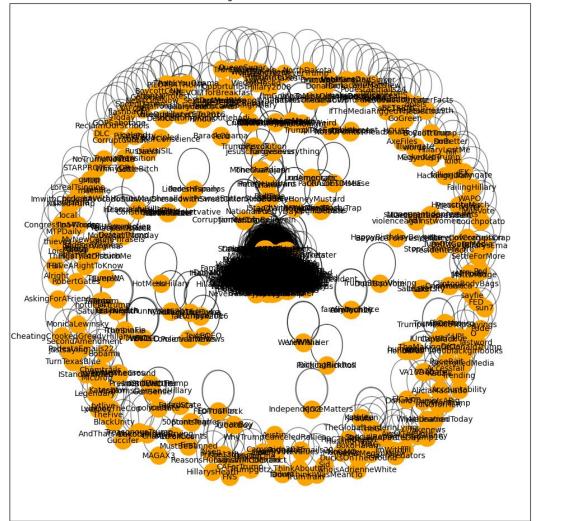
Node ID	Degree Centrality	Betweenness Centrality	Closeness Centrality
1679279490.0	0.1845451481447437	0.39627899854760607	0.32618557988995084
1671234620.0	0.10745472929497196	0.24148268843508472	0.3048704948067351

Sentiment Distribution

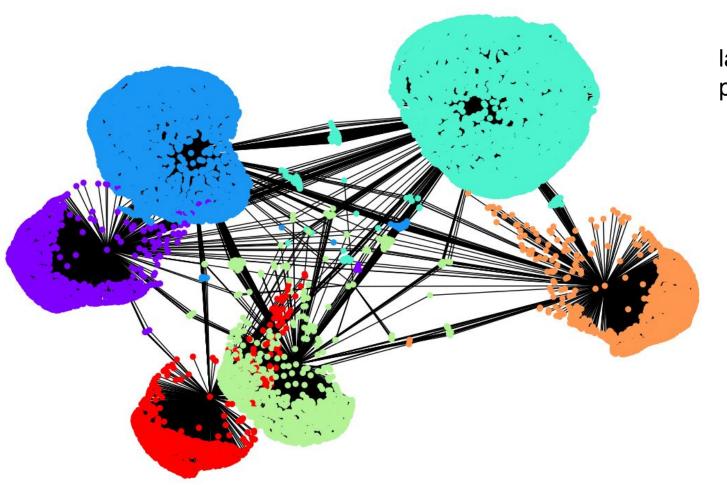




Hashtag Co-occurrence Network

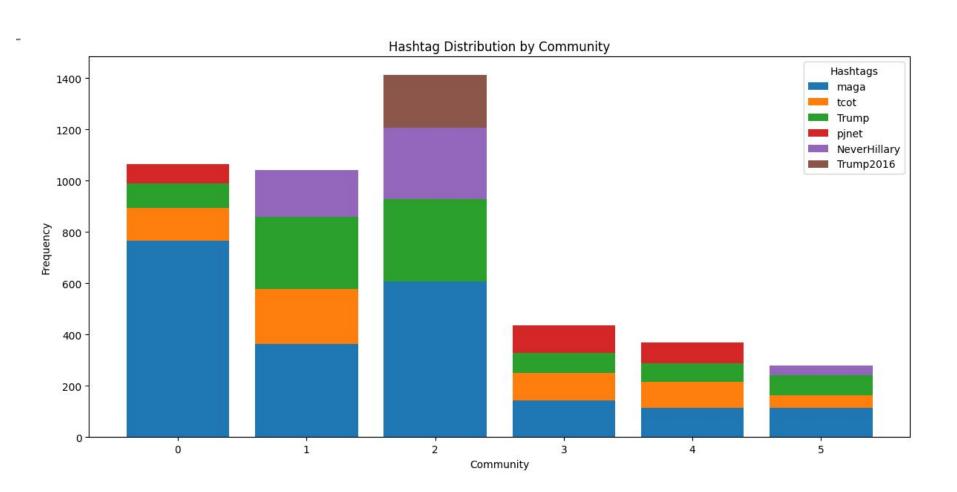


Community Map Communities Ommunity 0 Community 1 Community 2 Community 3 Community 4 Community 5 Number of nodes: 32638 Number of edges: 39032 Community 1: 5491 nodes Community 2: 3029 nodes Community 3: 2526 nodes Community 4: 2088 nodes Community 5: 1370 nodes Number of communities (Louvain): 72

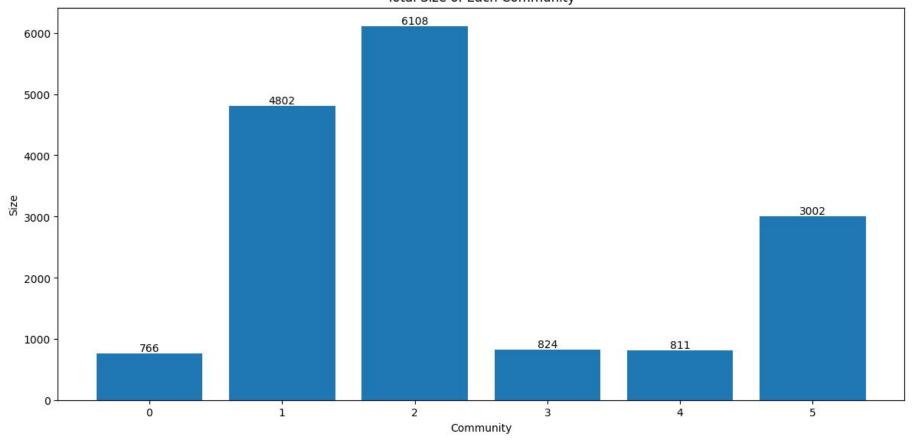


label propagation









Thank you for your Attention !!!

Cause it is all we need;)