

Social Network Analysis

GROUP E

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Introduction and Background



Bank of Thailand

- First set up as the Thai National Banking Bureau
- Provide a stable financial environment for sustainable economic growth in order to achieve continuous improvement in the standard of living of the people of Thailand
- Headquarters: Phra Nakorn, Bangkok, Thailand



BANK OF JAPAN

Bank of Japan

- The bank is often called “Nichigin”
- Provide issuance and management of banknotes, Implementation of monetary policy, Providing settlement services, Treasury and government securities-related operations, International activities, Compilation of data, economic analyses and research activities
- Headquarters: Nihonbashi, Chuo, Tokyo



Federal Reserve (FED)

- Establish in December 13, 1913 after a series of financial panic especially 1907
- Headquarters: Washington D.C, U.S
- The key objectives are maximizing employment, stabilizing prices, and moderating long-term interest rates



Bank of France

- Founded in 1712, and paid out its first dividend in May 1716 to its shareowners and reincorporated in 1800 under Napoleon Bonparte
- The Bank of France is responsible for three missions: monetary strategy, financial steadiness and services to the economy
- Headquarters: Paris, France

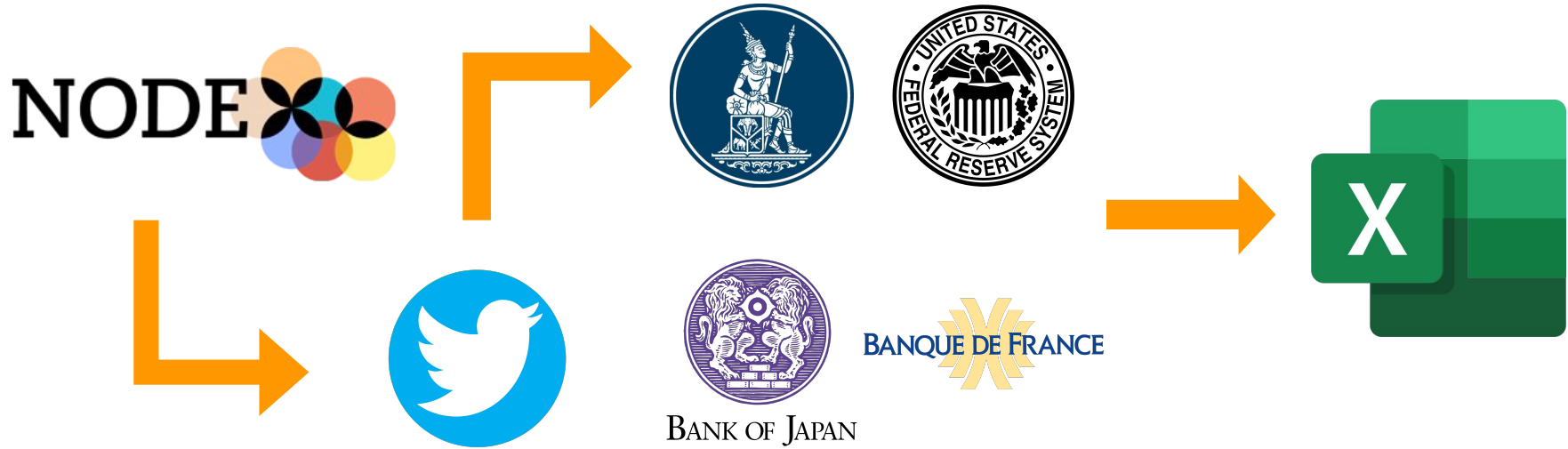


Sources of Data



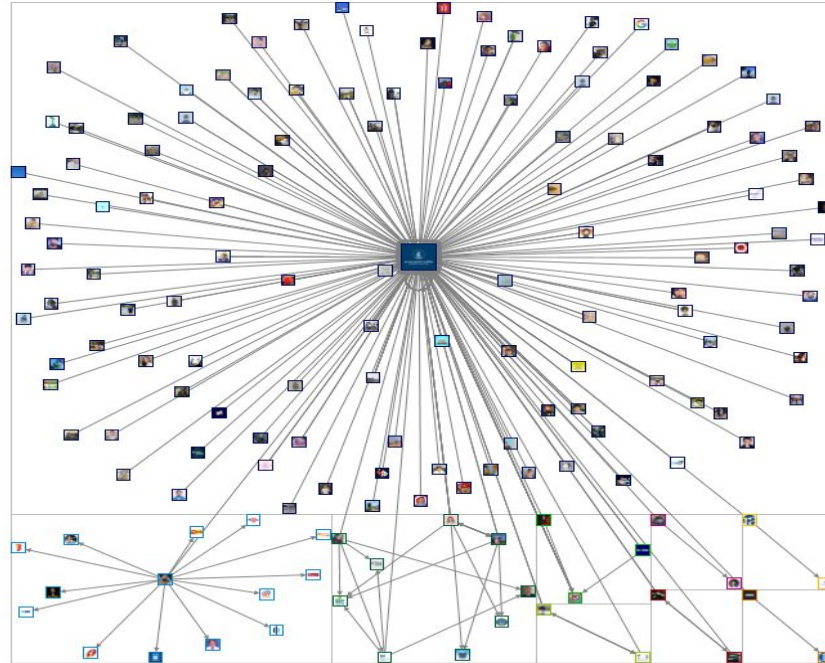


Brief of Analytical Methodologies





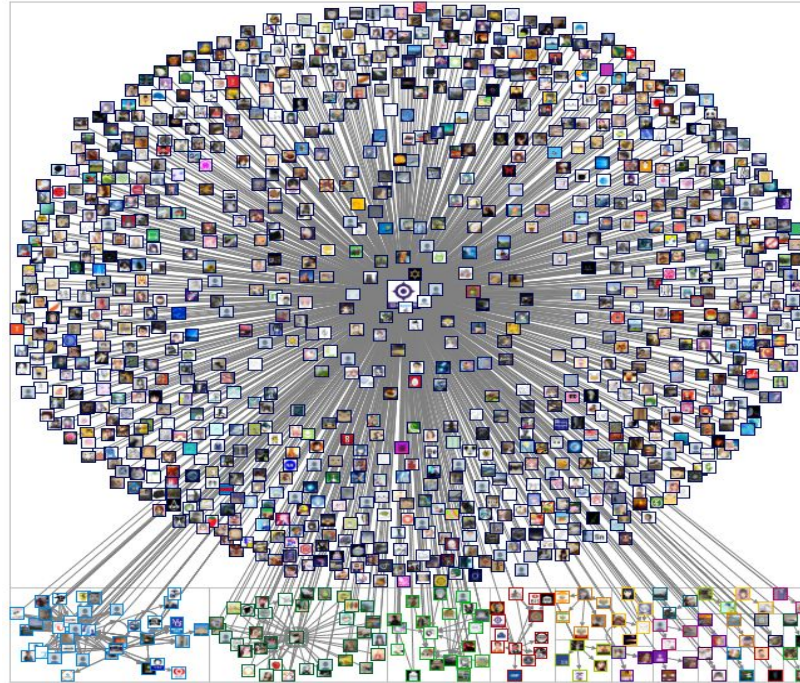
Results: Bank of Thailand (BOT)



Created with NodeXL Pro (<http://nodexl.codeplex.com>) from the Social Media Research Foundation (<http://www.smrfoundation.org>)



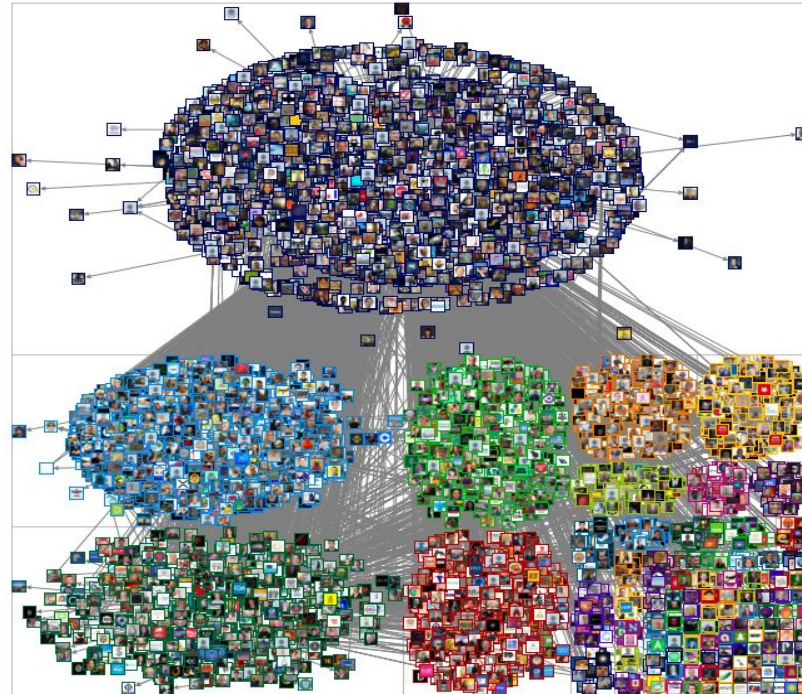
Results: Bank of Japan (BOJ)



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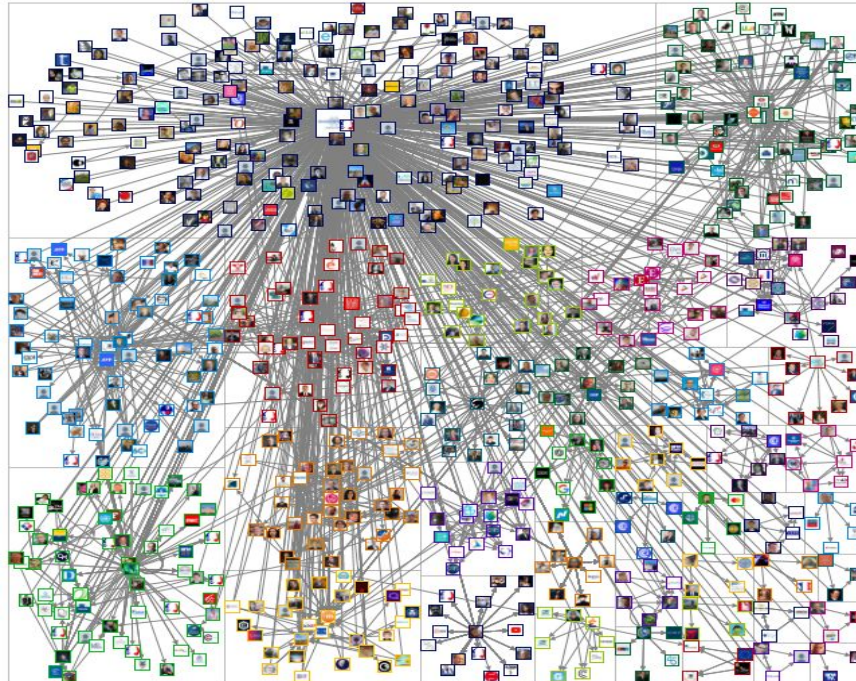
Results: Federal Reserve (FED)



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Results: Banque de France (BdF)



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Compare the Number of Main Messaging Activities

	Bank of Thailand	Bank of Japan	Federal Reserve	Bank of France
MentionsInRetweet	9	153	5464	945
Replies to	18	170	3919	136
Retweet	181	1263	3300	531
Number of Tweet	35	45	13	21

Compare the Key Network Statistics

	Bank of Thailand	Bank of Japan	Federal Reserve	Bank of France
Vertices	160	1138	5981	754
Unique Edges	143	1112	12415	1558
Total Edges	280	1730	44023	2643
Max. Geodesic Distance (Diameter)	4	4	4	4
Avg. Geodesic Distance	2.217969	2.078085	2.38514	2.593398
Graph Density	0.00691823899	0.00101862114	0.00042623827	0.00320028463
Modularity	0.337675	0.332748	0.2483	0.455675

Conclusion

Considering the unique edges and the modularity as the measurement of effectiveness

FED has the highest number of activities and the unique edges, but it has the lowest rate of modularity



“INEFFECTIVE”

BOF has very low activities comparing to FED, but it has the highest modularity



“EFFECTIVE”

Policy recommendations

Thailand should provide and have to find the way to reach the consumer more precisely. If Thai government can remove some of the content in the internet, why couldn't they increase the effectiveness of information they should provide instead of removing useless information.



THANK YOU