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ABSTRACT

news agency *online only* *television newspaper magazine radio*

2. BACKGROUND

2.1 Definitions and Methodology

General Terms

Keywords

1. INTRODUCTION

channel

- *Television*
- *Radio –*
- *Newspapers*
- *Magazines*
- *Online Only*
- *News Agency*

competed

dailies

New York Times *Washington Post*

CNBC *CNN*

- **Node**

television

connected¹

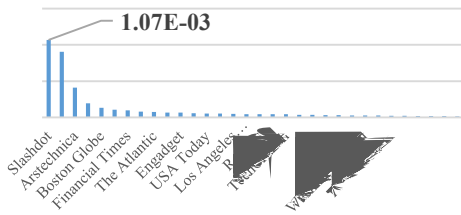


Figure 12: Average Normalized Weighted Degree for News Provider Networks

Figure 13: Average Normalized Weighted Degree for Primary News Channels

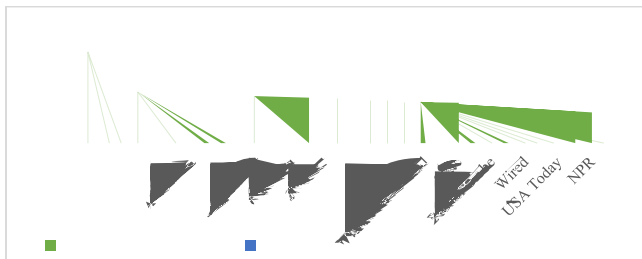


Figure 14: Average Degree and Average Weighted Degree for News Provider Networks

3.4 User Weight

user weights

NPro
TwU

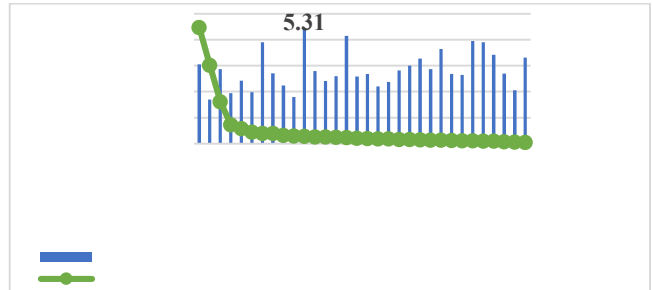


Figure 16: Average User Weight and Average Normalized User Weight for TwU for each News Provider's Network

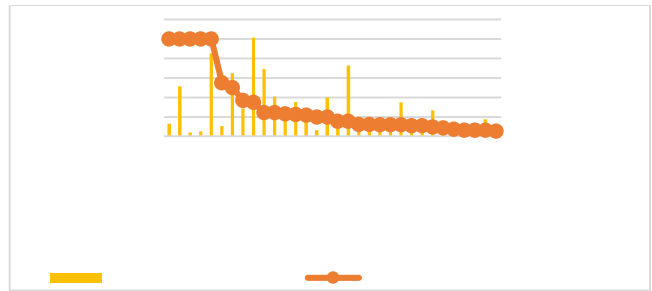


Figure 17: Average User Weight and Average Normalized User Weight for NPro for each News Provider Network

NPro
Independent

The

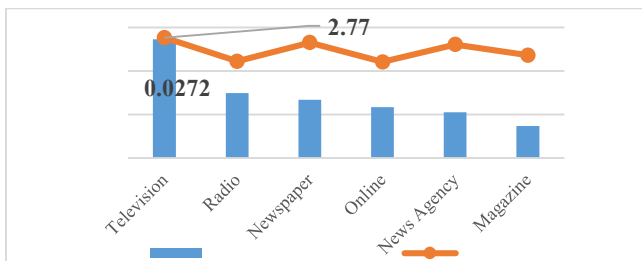


Figure 15: Clustering Coefficient and Weighted Degree Centrality Comparison of News Channels

TwU
NPro

television
connected

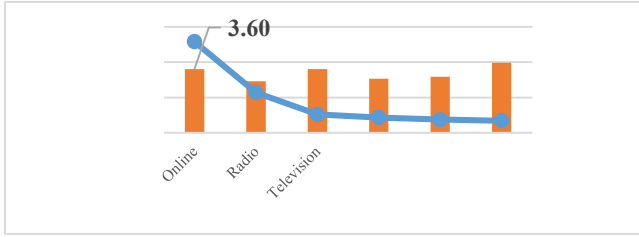


Figure 18: Average User Weight and Average Normalized User Weight for TwU for each News Channel
online only”

3.5 % Nodes in Largest Cluster

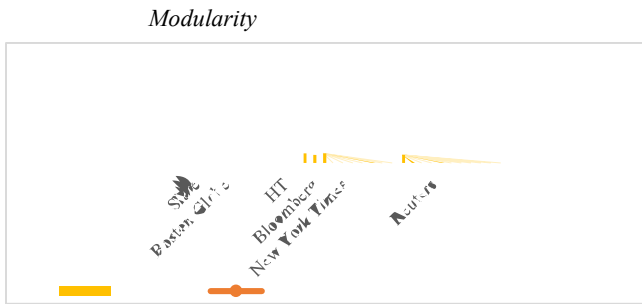


Figure 19: % Nodes in Largest Cluster compared to #Nodes for Each News Provider

Economist NPR Telegraph

online news

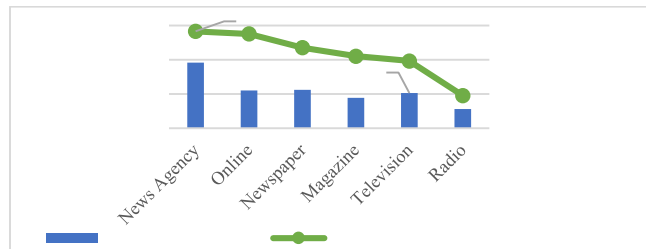


Figure 20: % Nodes in Largest Cluster compared to #Nodes for Each News Channel

competition

six

First

Second

3.6 Statistical Difference of Structural Properties

Independent Samples Kruskal-Wallis

Table 1: Summary of Independent Samples Kruskal-Wallis Tests

Null Hypothesis – H ₀	Sig.	Result
<i>Eccentricity</i>		Reject the Null Hypothesis
<i>Betweenness Centrality</i>		
<i>Closeness Centrality</i>		
<i>Degree</i>		
<i>Weighted Degree</i>		
<i>Clustering Coefficient</i>		

Note: Structural properties' values were considered for all the nodes in the networks.

4. DISCUSSION AND IMPLICATIONS

Finally

television news agency

5. CONCLUSION AND FUTURE WORK

primary distribution channel

6. REFERENCES

Proceedings of the ACM conference on Online social networks