

# **Report: 5G Conspiracy vs. Non-Conspiracy Networks**

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We looked at two networks:

- Folder 7 from 5G conspiracy
  - Folder 7 from normal (non-conspiracy)
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## **Results for Each Network:**

### **A. 5G Conspiracy Network**

- Nodes: 49 people/accounts in the network
- Edges: 130 connections or interactions between them
- Average Degree: 2.65 Each person talks to around 2–3 others.
- Density: 0.055 people are not well connected.
- Modularity: 0.388 The network has many separated groups
- Clustering Coefficient: 0.196 people inside the same group don't interact much.
- Connected Components: 2 The network is split into 2 separate parts.
  
- Betweenness centrality: Highest  $\approx 326$  Node 9023080 is the strongest bridge
- Closeness centrality: Highest  $\approx 1.0$  can reach others very quickly inside a small group

### **Conclusion:**

The conspiracy network is not very connected, and has small isolated groups. People don't talk to many

## B. Non-Conspiracy Network :

- Nodes: 41
- Edges: 161
- Average Degree: 3.93 Each person talks to around 4 others.
- Density: 0.098 More connected than the conspiracy network.
- Modularity: 0.263 There are groups, but they're not very separated.
- Clustering Coefficient: 0.367 People inside the same groups interact more.
- Connected Components: 2 Also has 2 separate parts.
  
- Betweenness centrality: Highest  $\approx 905$  Node 210910383 is the main bridge
- Closeness centrality: Highest  $\approx 0.94$  same node can reach others very quickly

### Conclusion:

The normal network is more connected, more active, and people interact in more natural groups.

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## 3. Comparison Between Both Networks :

Metric	5G Conspiracy	Non-Conspiracy
Nodes / Edges	49 / 130	41 / 161
Average Degree	2.65	3.93
Graph Density	0.055	0.098
Clustering Coefficient	0.196	0.367
Modularity (Q)	0.388	0.263
Communities	Many small	mixed groups
Betweenness (max)	326	905
Closeness (max)	$\sim 0.56$ –1 locally	0.94
Connected Components	2	2

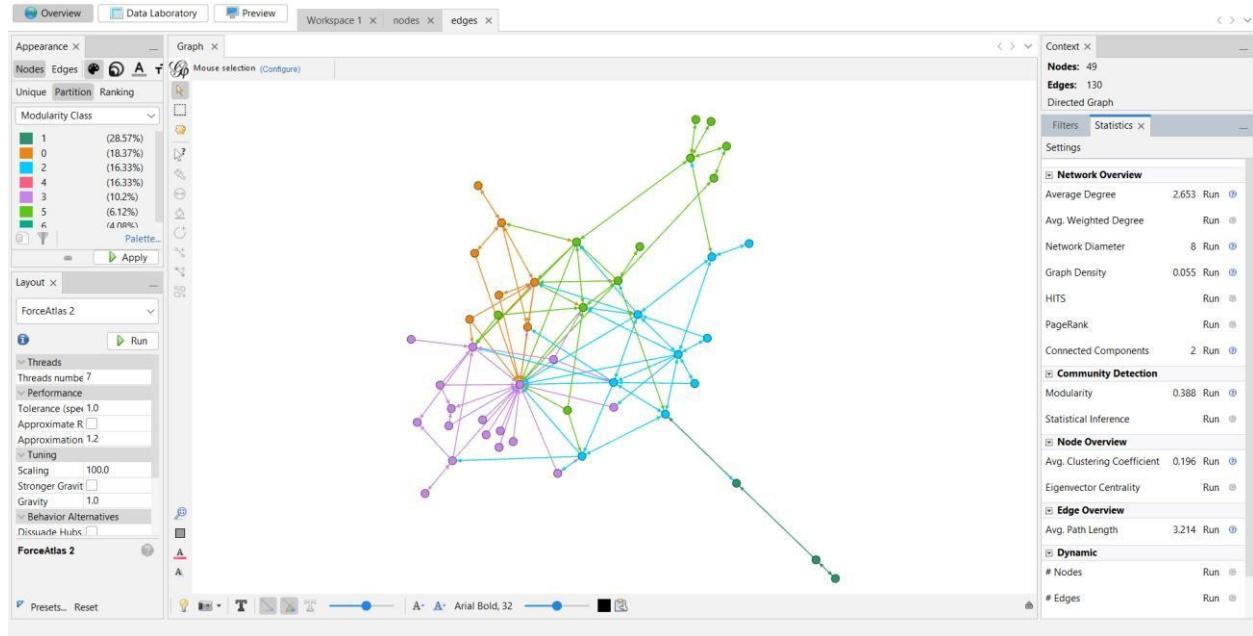
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## 4. Final analysis:

- The 5G conspiracy network is less connected, more scattered, and has more isolated groups.
- The non-conspiracy network is more connected, more interactive, and more natural in how people communicate.

## 5. Screen Shots

### 1. 5G Conspiracy Network



### 2. Non-Conspiracy Network

