

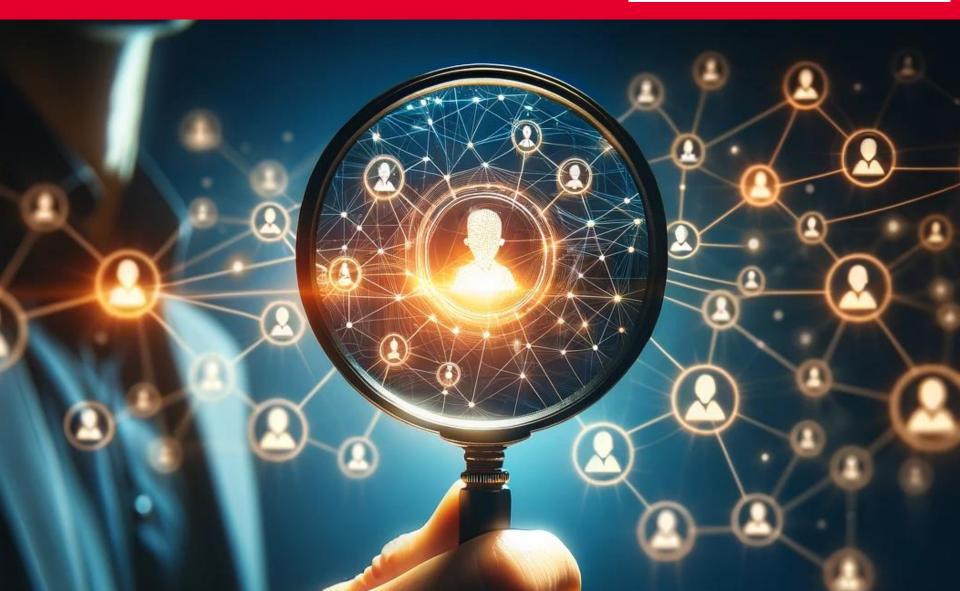
Stakeholder Network Analysis

Neil Anderson
Electronics, Electrical Engineering and Computer Science
Queen's University Belfast
n.anderson@qub.ac.uk

Workshop – Introduction to Stakeholder Network Analysis: 21 May 2024

stakeholdernet.org







Survey Tool and Network Analysis

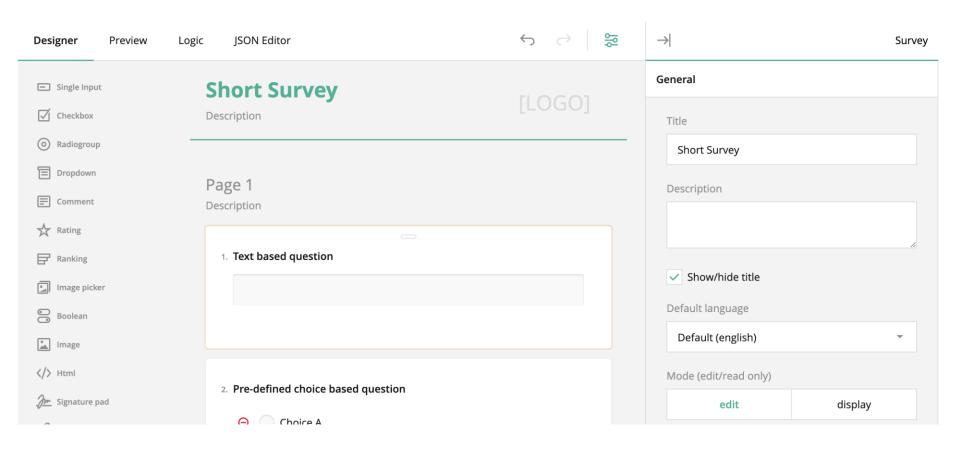
Creating and completing a simple survey Survey analysis

Creating people and organisations

Creating a network survey
Network analysis
(examples of brokerage, closure, isolation)

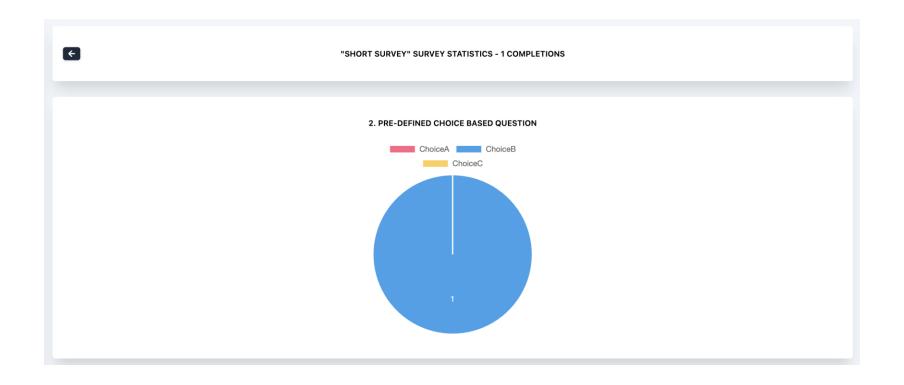
Simple Surveys





Simple Surveys





People and Groups



+		EDIT PERSON GROUP	
NAME * Hollywood Movies			
Hollywood Movies			
		UPDATE	
People			
FIRST NAME A	SECOND NAME *	COMMENT A	ACTIONS
Tom	Hanks	Forrest Gump	
Brad	Pitt	Fight Club	
Matt	Damon	Good Will Hunting	
Anne	Hathaway	The Dark Knight	
Christian	Bale	The Dark Knight	

Organisations and Groups



NAME *						
WHO Health Demo						
	UPDATE					
Organisations						
NAME ^	URL A	DESCRIPTION A	ACTIONS			
Global Institute for Noncommunicable Disease Research		Health Demo	Ť			
National Center for Chronic Disease Prevention		Health Demo	Ī			
Federal Office for NCD Management and Control		Health Demo	Ť			
Ministry of Noncommunicable Disease Health Initiatives		Health Demo	Ť			
Agency for Chronic Health Conditions and Wellness		Health Demo	Ī			

Network Analysis Terms



Isolates (disconnected): Nodes with no connections to other nodes in the network.

Brokerage: The role of a node that connects otherwise disconnected groups within the network.

Closure: The degree to which nodes in a network are interconnected, leading to tightly-knit groups or clusters.

Betweenness Centrality: A measure of how often a node appears on the shortest paths between other nodes, indicating its potential influence over the flow of information.

Degree Centrality: The number of direct connections a node has. High degree centrality indicates a node with many connections.

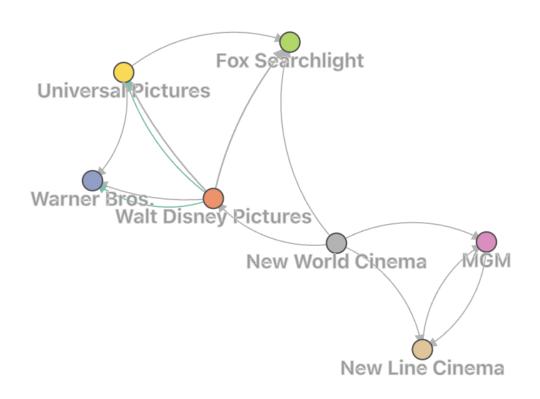
Closeness Centrality: A measure of how close a node is to all other nodes in the network, based on the shortest paths. Nodes with high closeness centrality can quickly interact with all other nodes.

Network Analysis



2. WHICH STUDIO DO YOU WORK WITH?

DramaFantasy

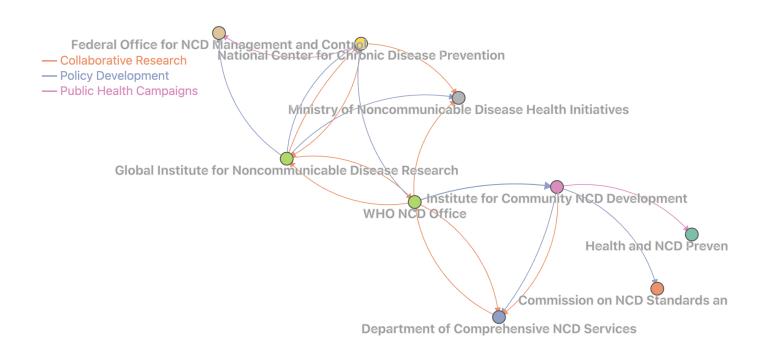


Example of brokerage, but do we have the full picture?

Network Analysis



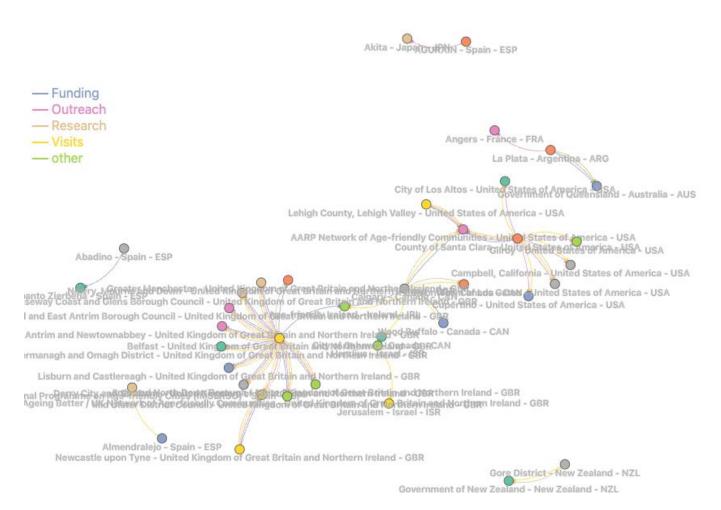
2. WHICH ORGANISATION DO YOU WORK WITH?



Another example of brokerage, with some examples of closure.

Network Analysis





Some brokerage. Closure? Betweenness? (Star example). Examples of isolates.