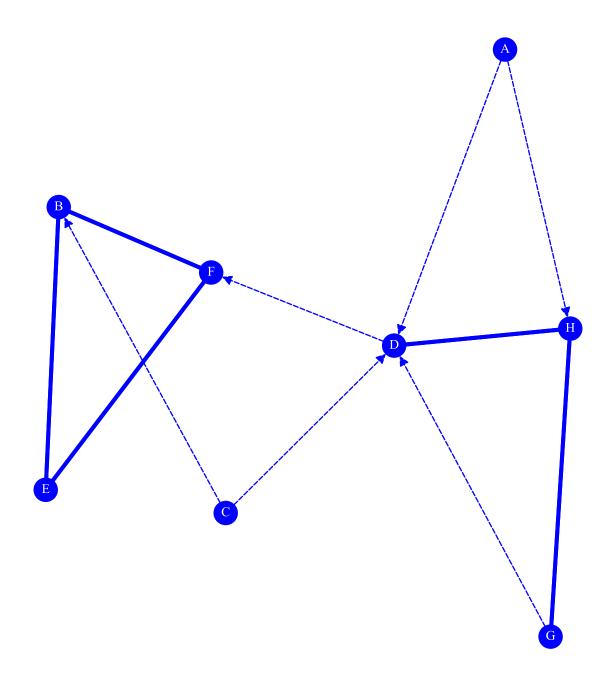


GROUP 2 - DEMO SNA NETWORK GRAPH

A. Who would you like in your ideal work group?

NN 8, NE 16, ND 29%, NC 43%, NT 69%, NR 62%



NN Nodes NE Edges ND Density NC Centralization NT Transitivity NR Reciprocity

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GROUP 2 - DEMO SNA RAW SCORES

A. Who would you like in your ideal work group?

ID	CHOICES	IC	PR	ВТ	CL	HU	ND
A	D, H	0.00	0.02	0.00	0.00	0.18	←
В	E, F	0.43	0.23	0.04	0.50	0.07	
C	B, D	0.00	0.02	0.00	0.00	0.15	←
D	F, H	0.57	0.10	0.27	0.57	0.12	
Е	B, F	0.29	0.22	0.00	0.47	0.10	
F	B, E	0.43	0.25	0.19	0.64	0.08	
G	D, H	0.14	0.06	0.00	0.29	0.18	
Н	D, G	0.43	0.09	0.07	0.46	0.12	

 $\textbf{IC} \text{ In-Degree PR PageRank BT Betweenness CL Closenness HU Hub ND No In-Degree } (\leftarrow) \text{ No Out-Degree } (\rightarrow) \text{ No In or Out-Degree } (\rightleftarrows)$



GROUP 2 - DEMO SNA RANK SCORES

A. Who would you like in your ideal work group?

ID	CHOICES	IC	PR	ВТ	CL	HU	ND
A	D, H	5	7	5	7	1	←
В	E, F	2	2	4	3	7	
C	B, D	5	7	5	7	2	←
D	F, H	1	4	1	2	3	
Е	B, F	3	3	5	4	5	
F	B, E	2	1	2	1	6	
G	D, H	4	6	5	6	1	
Н	D, G	2	5	3	5	4	

IC In-Degree PR PageRank BT Betweenness CL Closenness HU Hub ND No In-Degree (\leftarrow) No Out-Degree (\rightarrow) No In or Out-Degree (\rightleftarrows) Very low Low High Wery high



GROUP 2 - DEMO

SNA NODES ORDERED BY RANKS

A. Who would you like in your ideal work group?

RANK	IC	RANK	PR	RANK	ВТ	RANK	CL	RANK	HU
1	D	1	F	1	D	1	F	1	A
2	В	2	В	2	F	2	D	1	G
2	F	3	E	3	Н	3	В	2	С
2	Н	4	D	4	В	4	E	3	D
3	E	5	Н	5	A	5	Н	4	Н
4	G	6	G	5	C	6	G	5	E
5	A	7	A	5	E	7	A	6	F
5	C	7	C	5	G	7	C	7	В

IC In-Degree PR PageRank BT Betweenness CL Closenness HU Hub



GROUP 2 - DEMO

SNA EDGES GROUPED BY TYPE

A. Who would you like in your ideal work group?

Non reciprocal edges

 $X \rightarrow Y$ in network $A \cdot not Y \rightarrow X$ in network A

Reciprocal edges

 $X \to Y$ in network $A \cdot Y \to X$ in network A

Half symmetrical edges

 $X \to Y$ in network $A \cdot X \to Y$ in network B

No edge of this type

Reversed half symmetrical edges

 $X \rightarrow Y$ in network $A \cdot Y \rightarrow X$ in network B

 $(C \cdot D) (D \cdot F)$

Full symmetrical edges

 $X \to Y, \, Y \to X$ in network $A \cdot X \to Y, \, Y \to X$ in network B

No edge of this type



GROUP 2 - DEMO SNA COMPONENTS

A. Who would you like in your ideal work group?

Connected components

 $\begin{bmatrix} \mathbf{8} & \mathbf{A} \cdot \mathbf{B} \cdot \mathbf{C} \cdot \mathbf{D} \cdot \mathbf{E} \cdot \mathbf{F} \cdot \mathbf{G} \cdot \mathbf{H} \end{bmatrix}$

 $\mathbf{A} \cdot \mathbf{D} \cdot \mathbf{H}$

 $B\cdot E\cdot F$

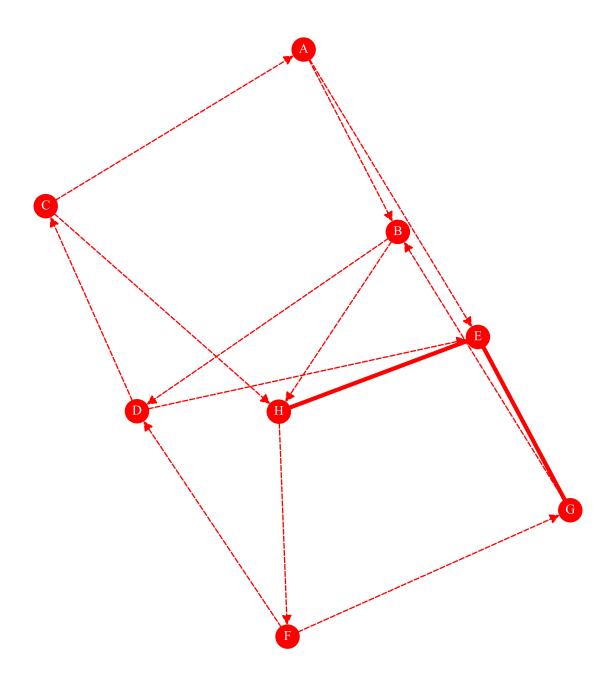
 $D \cdot G \cdot H$



GROUP 2 - DEMO SNA NETWORK GRAPH

B. Who would you not want in your ideal work group?

NN 8, NE 16, ND 29%, NC 10%, NT 0%, NR 25%



NN Nodes NE Edges ND Density NC Centralization NT Transitivity NR Reciprocity

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GROUP 2 - DEMO SNA RAW SCORES

B. Who would you not want in your ideal work group?

ID	CHOICES	IC	PR	ВТ	CL	HU	ND
A	B, E	0.14	0.05	0.07	0.32	0.28	
В	D, H	0.29	0.11	0.22	0.50	0.00	
C	A, H	0.14	0.06	0.18	0.39	0.00	
D	C, E	0.29	0.11	0.31	0.50	0.22	
E	G, H	0.57	0.23	0.20	0.70	0.00	
F	D, G	0.14	0.10	0.16	0.44	0.00	
G	B, E	0.29	0.16	0.14	0.50	0.28	
Н	E, F	0.43	0.19	0.25	0.58	0.22	

 $\textbf{IC} \text{ In-Degree PR PageRank BT Betweenness CL Closenness HU Hub ND No In-Degree } (\leftarrow) \text{ No Out-Degree } (\rightarrow) \text{ No In or Out-Degree } (\rightleftarrows)$



GROUP 2 - DEMO SNA RANK SCORES

B. Who would you not want in your ideal work group?

ID	CHOICES	IC	PR	ВТ	CL	HU	ND
A	B, E	4	8	8	6	1	
В	D, H	3	5	3	3	4	
C	А, Н	4	7	5	5	6	
D	C, E	3	4	1	3	2	
Е	G, H	1	1	4	1	5	
F	D, G	4	6	6	4	3	
G	B, E	3	3	7	3	1	
Н	E, F	2	2	2	2	2	

IC In-Degree PR PageRank BT Betweenness CL Closenness HU Hub ND No In-Degree (\leftarrow) No Out-Degree (\rightarrow) No In or Out-Degree (\rightleftarrows) Very low Low High Wery high



GROUP 2 - DEMO

SNA NODES ORDERED BY RANKS

B. Who would you not want in your ideal work group?

RANK	IC	RANK	PR	RANK	ВТ	RANK	CL	RANK	HU
1	E	1	E	1	D	1	E	1	A
2	Н	2	Н	2	Н	2	Н	1	G
3	В	3	G	3	В	3	В	2	D
3	D	4	D	4	E	3	D	2	Н
3	G	5	В	5	С	3	G	3	F
4	A	6	F	6	F	4	F	4	В
4	С	7	C	7	G	5	С	5	E
4	F	8	A	8	A	6	A	6	C

IC In-Degree PR PageRank BT Betweenness CL Closenness HU Hub



GROUP 2 - DEMO

SNA EDGES GROUPED BY TYPE

B. Who would you not want in your ideal work group?

Non reciprocal edges

 $X \to Y$ in network $B \cdot not \: Y \to X$ in network B

Reciprocal edges

 $X \to Y$ in network $B \, \cdot \, Y \to X$ in network B

 $E \cdot G E \cdot H$

Half symmetrical edges

 $X \to Y$ in network $B \, \cdot \, X \to Y$ in network A

No edge of this type

Reversed half symmetrical edges

 $X \rightarrow Y$ in network $B \cdot Y \rightarrow X$ in network A

 $(D \cdot C)(F \cdot D)$

Full symmetrical edges

 $X \to Y, Y \to X$ in network $B \cdot X \to Y, Y \to X$ in network A

No edge of this type



GROUP 2 - DEMO SNA COMPONENTS

B. Who would you not want in your ideal work group?

Connected components

