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DEMO | GROUP 3 **RELEVANT NODES**

1. List of salient nodes with functional characteristics

H	IC · KZ · PR · BT · CL · BL · AI · II · pop	**90**
D	HU · IM	**20**

2. List of salient nodes with non functional characteristics

D	IC · KZ · PR · BT · CL · BL · AI · II · rej	**90**

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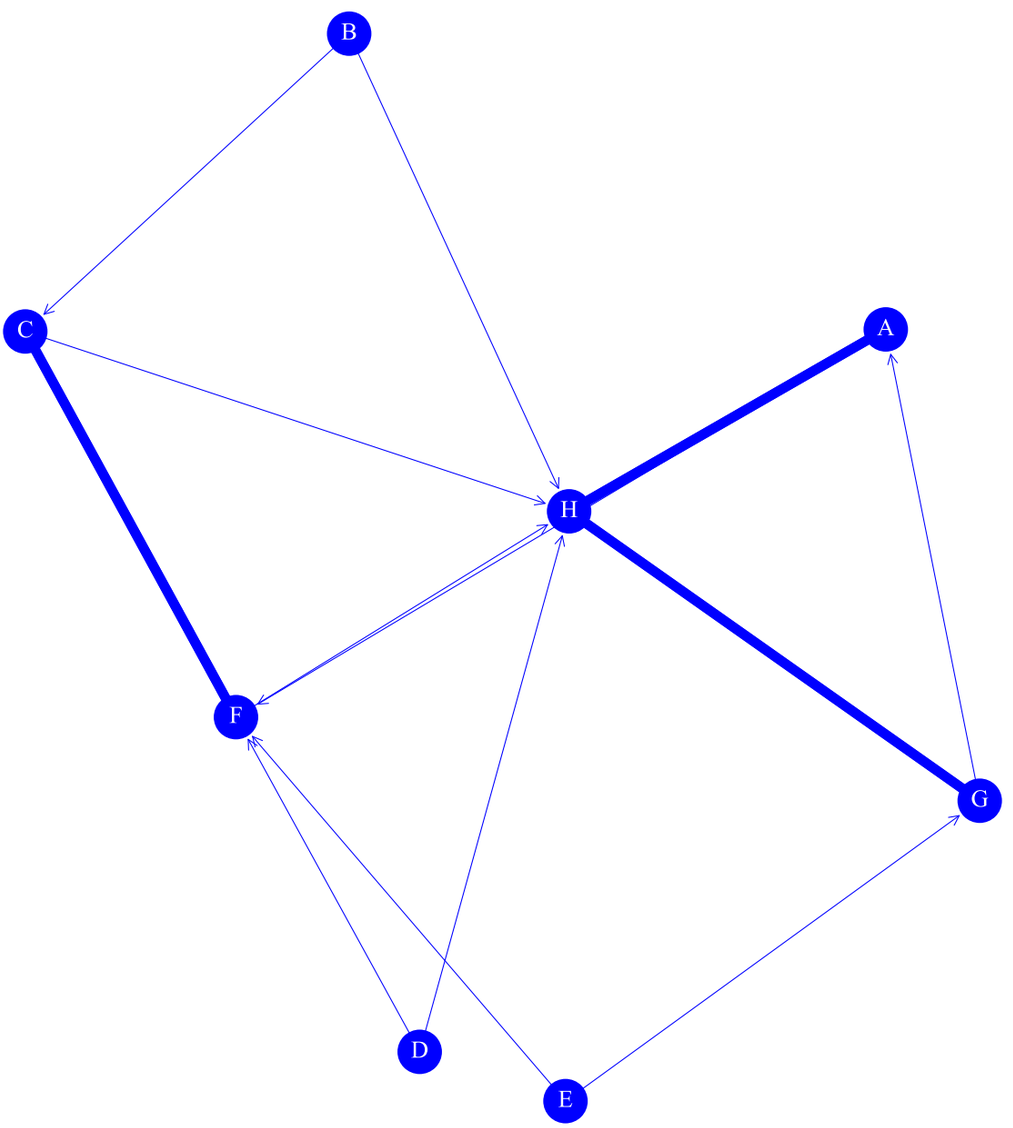
DEMO | GROUP 3 **SNA | NETWORK GRAPH**

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

NN 8, **NE** 16, **NR** 3, **ND** 29%, **NC** 52%, **NT** 50%, **NR** 38%



NN Nodes **NE** Links **NR** Reciprocal Links **ND** Density **NC** Centralization **NT** Transitivity **NR** Reciprocity

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DEMO | GROUP 3 **SNA | RAW SCORES**

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

ID	CHOICES	IC	KZ	PR	BT	CL	HU	ND
A	F, H	0.29	0.36	0.22	0.10	0.58	0.17	
B	C, H	0.00	0.28	0.02	0.00	0.00	0.13	←
C	F, H	0.29	0.35	0.10	0.02	0.50	0.17	
D	F, H	0.00	0.28	0.02	0.00	0.00	0.17	←
E	F, G	0.00	0.28	0.02	0.00	0.00	0.08	←
F	C, H	0.57	0.40	0.17	0.13	0.70	0.13	
G	A, H	0.29	0.35	0.16	0.04	0.58	0.12	
H	A, G	0.86	0.48	0.31	0.21	0.88	0.03	

IC In-Degree **KZ** Katz **BT** Betweenness **CL** Closeness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

This report is designed as a support tool to facilitate decision-making and does not replace the professional judgment of industry experts. Interpretations drawn from the report should be integrated with other information related to the specific evaluation context.

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

ID	CHOICES	IC	KZ	PR	BT	CL	HU	ND
A	F, H	3	3	2	3	3	1	
B	C, H	4	6	6	6	5	2	←
C	F, H	3	5	5	5	4	1	
D	F, H	4	6	6	6	5	1	←
E	F, G	4	6	6	6	5	4	←
F	C, H	2	2	3	2	2	2	
G	A, H	3	4	4	4	3	3	
H	A, G	1	1	1	1	1	5	

IC In-Degree **KZ** Katz **BT** Betweenness **CL** Closeness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

This report is designed as a support tool to facilitate decision-making and does not replace the professional judgment of industry experts. Interpretations drawn from the report should be integrated with other information related to the specific evaluation context.

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

IC	RK	KZ	RK	PR	RK	BT	RK	CL	RK	HU	RK
H	1	H	1	H	1	H	1	H	1	A	1
F	2	F	2	A	2	F	2	F	2	C	1
A	3	A	3	F	3	A	3	A	3	D	1
C	3	G	4	G	4	G	4	G	3	B	2
G	3	C	5	C	5	C	5	C	4	F	2
B	4	B	6	B	6	B	6	B	5	G	3
D	4	D	6	D	6	D	6	D	5	E	4
E	4	E	6	E	6	E	6	E	5	H	5

RK Rank **IC** In-Degree **KZ** Katz **BT** Betweenness **CL** Closeness **HU** Hub

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

Non reciprocal edges

X → Y in network A · not Y → X in network A

A · F | B · C | B · H | C · H | D · F | D · H | E · F | E · G | F · H | G · A

Reciprocal edges

X → Y in network A · Y → X in network A

A · H | C · F | G · H

Half symmetrical edges

X → Y in network A · X → Y in network B

No edge of this type

Reversed half symmetrical edges

X → Y in network A · Y → X in network B

B · H | D · F | D · H | G · A

Full symmetrical edges

X → Y, Y → X in network A · X → Y, Y → X in network B

No edge of this type

This report is designed as a support tool to facilitate decision-making and does not replace the professional judgment of industry experts. Interpretations drawn from the report should be integrated with other information related to the specific evaluation context.

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

Cliques

Each node can reach every other node: a) without intermediaries; b) ignoring the direction of connections

3 A · G · H | D · F · H | A · F · H | C · F · H | B · C · H

Strongly Connected Groups

Each node can reach every other node: a) with or without intermediaries; b) following the direction of connections

5 A · C · F · G · H

Weakly Connected Groups

Each node can reach every other node: a) with or without intermediaries; b) ignoring the direction of connections

8 A · B · C · D · E · F · G · H

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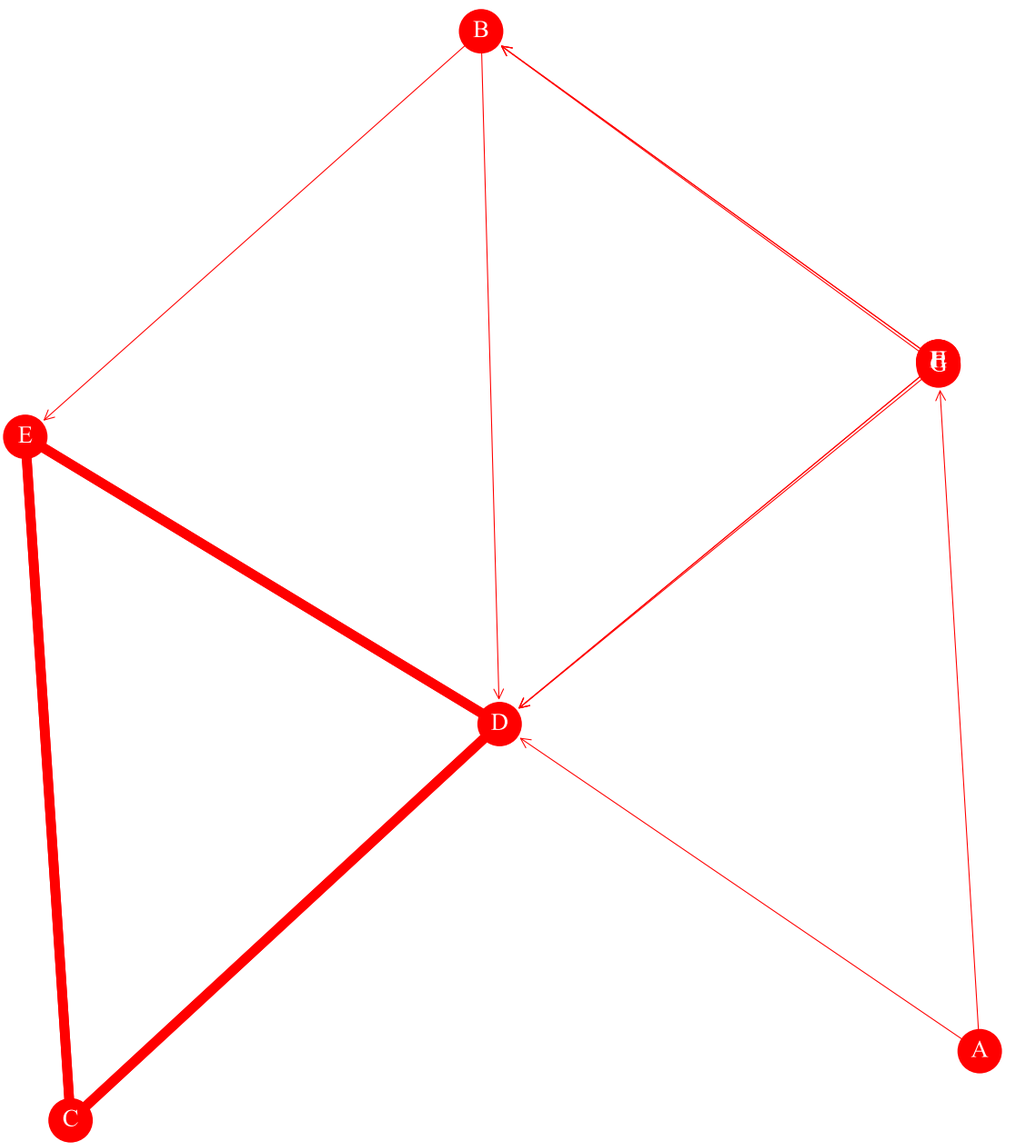
B. Who would you not want in your ideal work group?

NN 8, **NE** 16, **NR** 3, **ND** 29%, **NC** 71%, **NT** 75%, **NR** 38%



NN Nodes **NE** Links **NR** Reciprocal Links **ND** Density **NC** Centralization **NT** Transitivity **NR** Reciprocity

This report is designed as a support tool to facilitate decision-making and does not replace the professional judgment of industry experts. Interpretations drawn from the report should be integrated with other information related to the specific evaluation context.

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

ID	CHOICES	IC	KZ	PR	BT	CL	HU	ND
A	D, G	0.00	0.28	0.02	0.00	0.00	0.11	←
B	D, E	0.43	0.36	0.05	0.04	0.46	0.14	
C	D, E	0.29	0.37	0.27	0.00	0.58	0.14	
D	C, E	1.00	0.50	0.31	0.17	1.00	0.05	
E	C, D	0.43	0.40	0.29	0.01	0.64	0.12	
F	B, D	0.00	0.28	0.02	0.00	0.00	0.15	←
G	B, D	0.14	0.30	0.03	0.02	0.14	0.15	
H	B, D	0.00	0.28	0.02	0.00	0.00	0.15	←

IC In-Degree **KZ** Katz **BT** Betweenness **CL** Closeness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

This report is designed as a support tool to facilitate decision-making and does not replace the professional judgment of industry experts. Interpretations drawn from the report should be integrated with other information related to the specific evaluation context.

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

ID	CHOICES	IC	KZ	PR	BT	CL	HU	ND
A	D, G	5	6	6	5	6	4	←
B	D, E	2	4	4	2	4	2	
C	D, E	3	3	3	5	3	2	
D	C, E	1	1	1	1	1	5	
E	C, D	2	2	2	4	2	3	
F	B, D	5	6	6	5	6	1	←
G	B, D	4	5	5	3	5	1	
H	B, D	5	6	6	5	6	1	←

IC In-Degree **KZ** Katz **BT** Betweenness **CL** Closeness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

This report is designed as a support tool to facilitate decision-making and does not replace the professional judgment of industry experts. Interpretations drawn from the report should be integrated with other information related to the specific evaluation context.

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

IC	RK	KZ	RK	PR	RK	BT	RK	CL	RK	HU	RK
D	1	D	1	D	1	D	1	D	1	F	1
B	2	E	2	E	2	B	2	E	2	G	1
E	2	C	3	C	3	G	3	C	3	H	1
C	3	B	4	B	4	E	4	B	4	B	2
G	4	G	5	G	5	A	5	G	5	C	2
A	5	A	6	A	6	C	5	A	6	E	3
F	5	F	6	F	6	F	5	F	6	A	4
H	5	H	6	H	6	H	5	H	6	D	5

RK Rank **IC** In-Degree **KZ** Katz **BT** Betweenness **CL** Closeness **HU** Hub

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

Non reciprocal edges

X → Y in network B · not Y → X in network B

A · D | A · G | B · D | B · E | F · B | F · D | G · B | G · D | H · B | H · D

Reciprocal edges

X → Y in network B · Y → X in network B

C · D | C · E | D · E

Half symmetrical edges

X → Y in network B · X → Y in network A

No edge of this type

Reversed half symmetrical edges

X → Y in network B · Y → X in network A

A · G | F · D | H · B | H · D

Full symmetrical edges

X → Y, Y → X in network B · X → Y, Y → X in network A

No edge of this type

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

Cliques

Each node can reach every other node: a) without intermediaries; b) ignoring the direction of connections

3 A · D · G | B · D · F | B · D · G | B · D · H | B · D · E | C · D · E

Strongly Connected Groups

Each node can reach every other node: a) with or without intermediaries; b) following the direction of connections

3 C · D · E

Weakly Connected Groups

Each node can reach every other node: a) with or without intermediaries; b) ignoring the direction of connections

8 A · B · C · D · E · F · G · H

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DEMO | GROUP 3 **SNA | RANK DIFFERENCE A-B**

NO	IC A-B	NO	KZ A-B	NO	PR A-B	NO	BT A-B	NO	CL A-B	NO	HU A-B
H	-4	H	-5	H	-5	H	-4	H	-5	A	-3
F	-3	F	-4	A	-4	F	-3	F	-4	C	-1
A	-2	A	-3	F	-3	A	-2	A	-3	D	-4
C	0	G	-1	G	-1	G	1	G	-2	B	0
G	-1	C	2	C	2	C	0	C	1	F	1
B	2	B	2	B	2	B	4	B	1	G	2
D	3	D	5	D	5	D	5	D	4	E	1
E	2	E	4	E	4	E	2	E	3	H	4

NO Node **IC** In-Degree **KZ** Katz **BT** Betweenness **CL** Closeness **HU** Hub

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

NN 8, **NE** 16, **NR** 3, **ND** 29%, **NC** 52%, **NT** 50%, **NR** 38%

ID	Count	Min	Max	Median	Mean	SD	CV	GN	SK	KT	P25	P75
In degree Centrality	8.00	0.00	0.86	0.29	0.29	0.31	1.07	0.53	0.94	0.35	0.00	0.36
PageRank Centrality	8.00	0.02	0.31	0.13	0.12	0.11	0.85	0.44	0.51	-0.73	0.02	0.18
Katz Centrality	8.00	0.28	0.48	0.35	0.35	0.07	0.21	0.10	0.80	0.29	0.28	0.37
Betweenness Centrality	8.00	0.00	0.21	0.03	0.06	0.08	1.25	0.61	1.22	0.64	0.00	0.10
Closeness Centrality	8.00	0.00	0.88	0.54	0.41	0.35	0.87	0.44	-0.25	-1.83	0.00	0.61
Hub Centrality	8.00	0.03	0.17	0.13	0.12	0.05	0.40	0.20	-1.11	0.74	0.11	0.17

NN Nodes **NE** Links **NR** Reciprocal Links **ND** Density **NC** Centralization **NT** Transitivity **NR** Reciprocity **Count** Frequency **Sum** Sum **Min** Minimum Value **Max** Maximum Value **Median** Median **Mean** Mean **SD** Standard Deviation **CV** Coefficient of Variation **GN** Gini Coefficient **SK** Skewness **KT** Kurtosis **P25** 25th Percentile **P75** 75th Percentile

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

NN 8, **NE** 16, **NR** 3, **ND** 29%, **NC** 71%, **NT** 75%, **NR** 38%

ID	Count	Min	Max	Median	Mean	SD	CV	GN	SK	KT	P25	P75
In degree Centrality	8.00	0.00	1.00	0.21	0.29	0.34	1.20	0.58	1.42	2.20	0.00	0.43
PageRank Centrality	8.00	0.02	0.31	0.04	0.12	0.14	1.10	0.52	0.65	-2.14	0.02	0.28
Katz Centrality	8.00	0.28	0.50	0.33	0.35	0.08	0.23	0.11	1.13	0.98	0.28	0.37
Betweenness Centrality	8.00	0.00	0.17	0.01	0.03	0.06	1.91	0.75	2.54	6.68	0.00	0.03
Closeness Centrality	8.00	0.00	1.00	0.30	0.35	0.37	1.06	0.54	0.61	-0.82	0.00	0.60
Hub Centrality	8.00	0.05	0.15	0.14	0.12	0.03	0.26	0.12	-1.95	4.16	0.12	0.15

NN Nodes **NE** Links **NR** Reciprocal Links **ND** Density **NC** Centralization **NT** Transitivity **NR** Reciprocity **Count** Frequency **Sum** Sum **Min** Minimum Value **Max** Maximum Value **Median** Median **Mean** Mean **SD** Standard Deviation **CV** Coefficient of Variation **GN** Gini Coefficient **SK** Skewness **KT** Kurtosis **P25** 25th Percentile **P75** 75th Percentile

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DEMO | GROUP 3 **SOCIOGRAM | RAW SCORES**

ID	RP	RR	GP	GR	MP	MR	BL	OR	IM	AI	II	ST
A	2	0	2	2	1	0	2	0	2	2	3	marginal
B	0	3	2	2	0	0	-3	0	3	-3	0	disliked
C	2	2	2	2	1	2	0	0	4	0	3	ambitendent
D	0	7	2	2	0	2	-7	0	7	-7	0	rejected
E	0	3	2	2	0	2	-3	0	3	-3	0	disliked
F	4	0	2	2	1	0	4	0	4	4	5	appreciated
G	2	1	2	2	1	0	1	0	3	1	3	ambitendent
H	6	0	2	2	2	0	6	0	6	6	8	popular

RP Received Preferences **RR** Received Rejections **GP** Given Preferences **GR** Given Rejections **MP** Mutual Preferences **MR** Mutual Rejections **BL** Balance **OR** Orientation **IM** Impact **AI** Affiliation Index **II** Influence Index **ST** Sociometric Status

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DEMO | GROUP 3 **SOCIOGRAM | NODES ORDERED BY RANK**

BL	RK	IM	RK	AI	RK	II	RK	ST	RK
H	1.0	D	1.0	H	1.0	H	1.0	H	1
F	2.0	H	2.0	F	2.0	F	2.0	F	2
A	3.0	C	3.0	A	3.0	A	3.0	A	3
G	4.0	F	3.0	G	4.0	C	3.0	C	4
C	5.0	B	4.0	C	5.0	G	3.0	G	4
B	6.0	E	4.0	B	6.0	B	4.0	B	6
E	6.0	G	4.0	E	6.0	D	4.0	E	6
D	7.0	A	5.0	D	7.0	E	4.0	D	7

RP Received Preferences **RR** Received Rejections **GP** Given Preferences **GR** Given Rejections **BL** Balance **IM** Impact **AI** Affiliation Index **II** Influence Index

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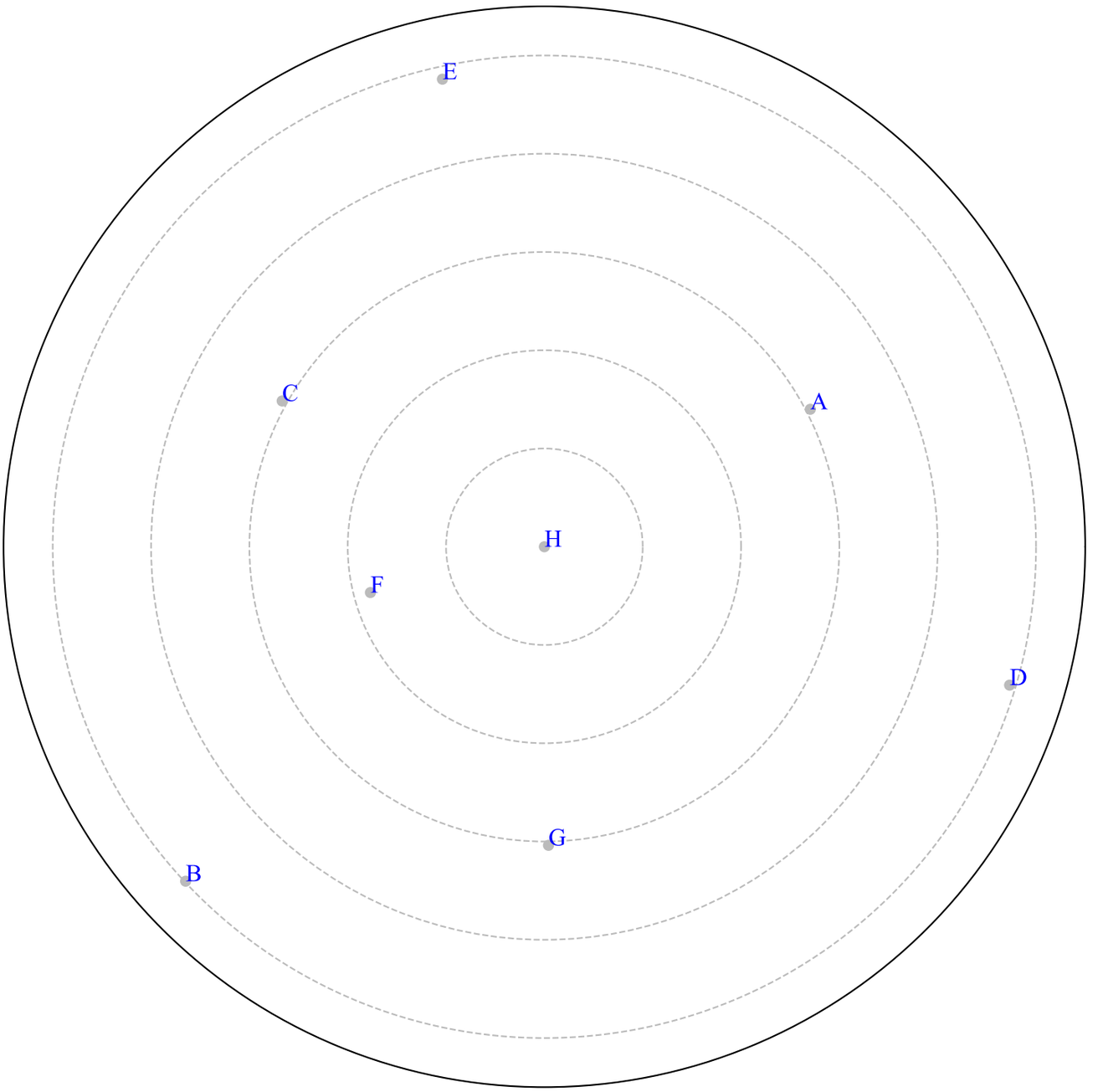
Influence index



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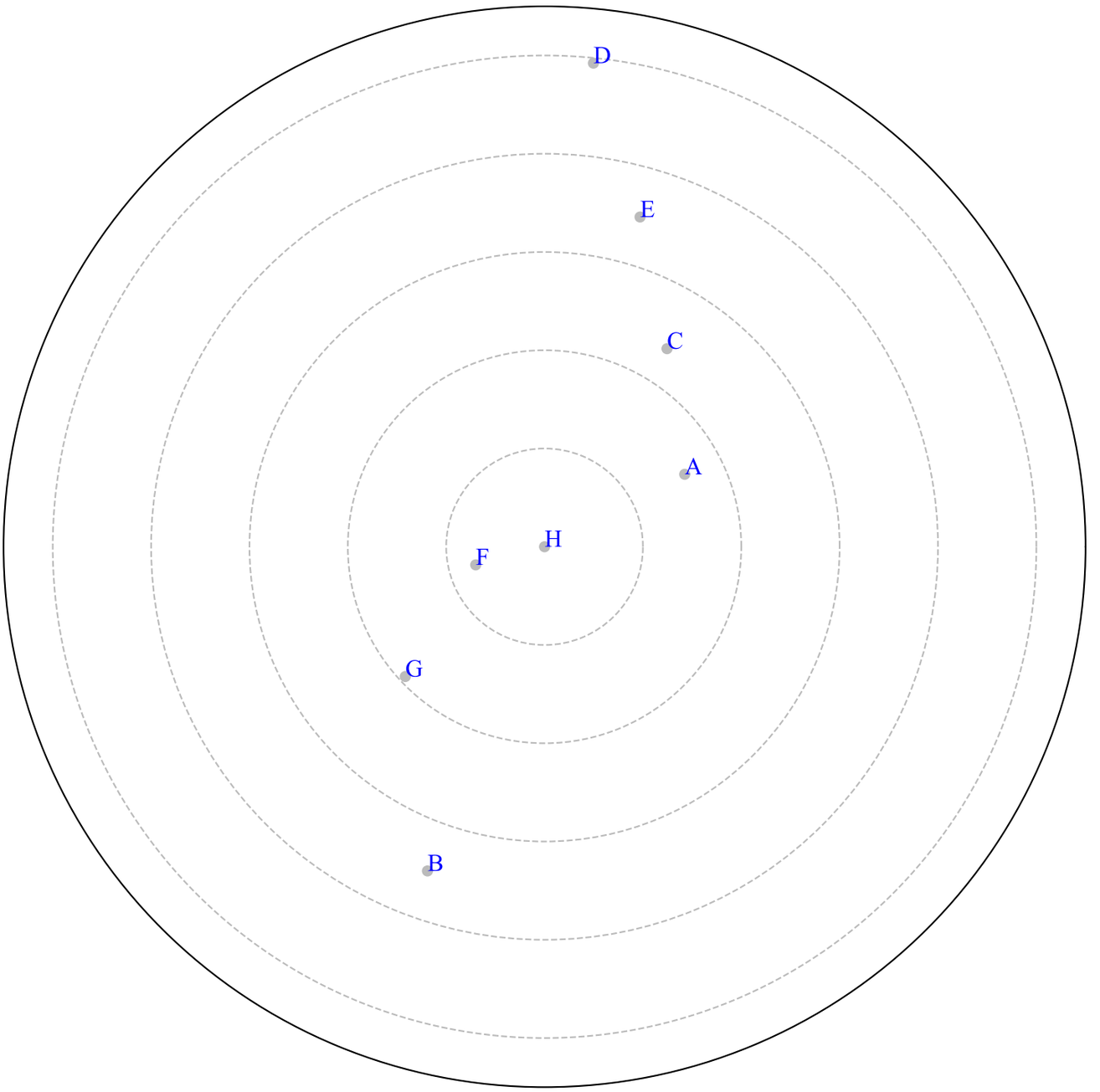
Affiliation index



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DEMO | GROUP 3 **SOCIOGRAM | DESCRIPTIVES**

Type I cohesion index : 37.50% *Type II cohesion index : 0.38*
Type I conflitct index : 37.50% *Type II conflitct index : 0.38*

ID	Count	Min	Max	Median	Mean	SD	CV	GN	SK	KT	P25	P75
Received preferences	8.00	0.00	6.00	2.00	2.00	2.14	1.07	0.53	0.94	0.35	0.00	2.50
Received rejections	8.00	0.00	7.00	1.50	2.00	2.39	1.20	0.58	1.42	2.20	0.00	3.00
Given Preferences	8.00	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00
Given rejections	8.00	2.00	2.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	2.00	2.00
Mutual preferences	8.00	0.00	2.00	1.00	0.75	0.71	0.94	0.46	0.40	-0.23	0.00	1.00
Mutual rejections	8.00	0.00	2.00	0.00	0.75	1.04	1.38	0.62	0.64	-2.24	0.00	2.00
Balance	8.00	-7.00	6.00	0.50	0.00	4.21	inf	0.38	-0.28	-0.39	-3.00	2.50
Orientation	8.00	0.00	0.00	0.00	0.00	0.00	nan	0.00	0.00	0.00	0.00	0.00
Impact	8.00	2.00	7.00	3.50	4.00	1.69	0.42	0.21	0.95	-0.03	3.00	4.50
Affiliation index	8.00	-7.00	6.00	0.50	0.00	4.21	inf	0.38	-0.28	-0.39	-3.00	2.50
Influence index	8.00	0.00	8.00	3.00	2.75	2.82	1.02	0.51	0.80	0.32	0.00	3.50
	8.00	1.00	4.00	3.00	3.00	1.07	0.36	0.18	-0.94	0.35	2.75	4.00
	8.00	1.00	5.00	3.50	3.38	1.60	0.47	0.25	-0.26	-1.74	2.00	5.00
	8.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
	8.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
	8.00	1.00	3.00	2.00	2.25	0.71	0.31	0.15	-0.40	-0.23	2.00	3.00
	8.00	1.00	2.00	2.00	1.62	0.52	0.32	0.14	-0.64	-2.24	1.00	2.00
	8.00	1.00	7.00	4.50	4.25	2.12	0.50	0.26	-0.31	-1.24	2.75	6.00
	8.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
	8.00	1.00	5.00	3.50	3.25	1.28	0.39	0.20	-0.61	-0.02	2.75	4.00
	8.00	1.00	7.00	4.50	4.25	2.12	0.50	0.26	-0.31	-1.24	2.75	6.00
	8.00	1.00	4.00	3.00	3.00	1.07	0.36	0.18	-0.94	0.35	2.75	4.00
	8.00	1.00	7.00	4.00	4.12	2.10	0.51	0.27	-0.09	-1.19	2.75	6.00

Count Frequency **Sum** Sum **Min** Minimum Value **Max** Maximum Value **Median** Median **Mean** Mean **SD** Standard Deviation **CV** Coefficient of Variation **GN** Gini Coefficient **SK** Skewness **KT** Kurtosis **P25** 25th Percentile **P75** 75th Percentile