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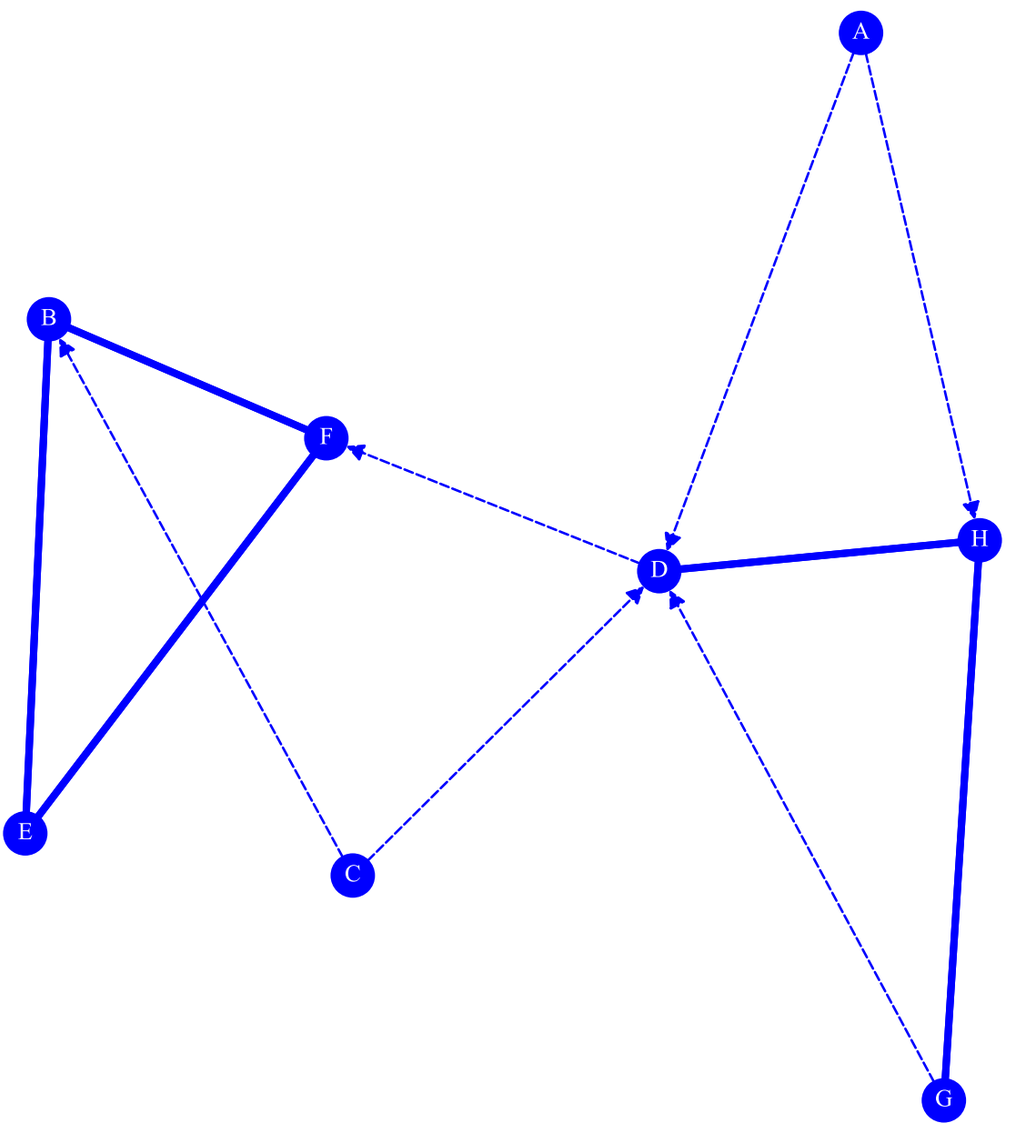
GROUP 2 - DEMO **SNA NETWORK GRAPH**

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	BT	CL	HU	ND
A	D, H	0.00	0.02	0.00	0.00	0.18	←
B	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	
E	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	
H	D, G	0.43	0.09	0.07	0.46	0.12	

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

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GROUP 2 - DEMO **SNA RANK SCORES**

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

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

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄) Very low Low High Very high

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GROUP 2 - DEMO **SNA NODES ORDERED BY RANKS**

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

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

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **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 · D | A · H | C · B | C · D | D · F | G · D

Reciprocal edges

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

B · E | B · F | D · H | E · 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

C · D | D · F

Full symmetrical edges

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

No edge of this type

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

Strongly Connected Components

Maximal subgraphs where all vertices are mutually reachable.

3 B · E · F

D · G · H

Weakly Connected Components

Maximal subgraphs where any vertices are connected by undirected paths.

8 A · B · C · D · E · F · G · H

Cliques

Subgraphs that become fully connected when directional edges are ignored.

3 A · D · H

D · G · H

B · E · F

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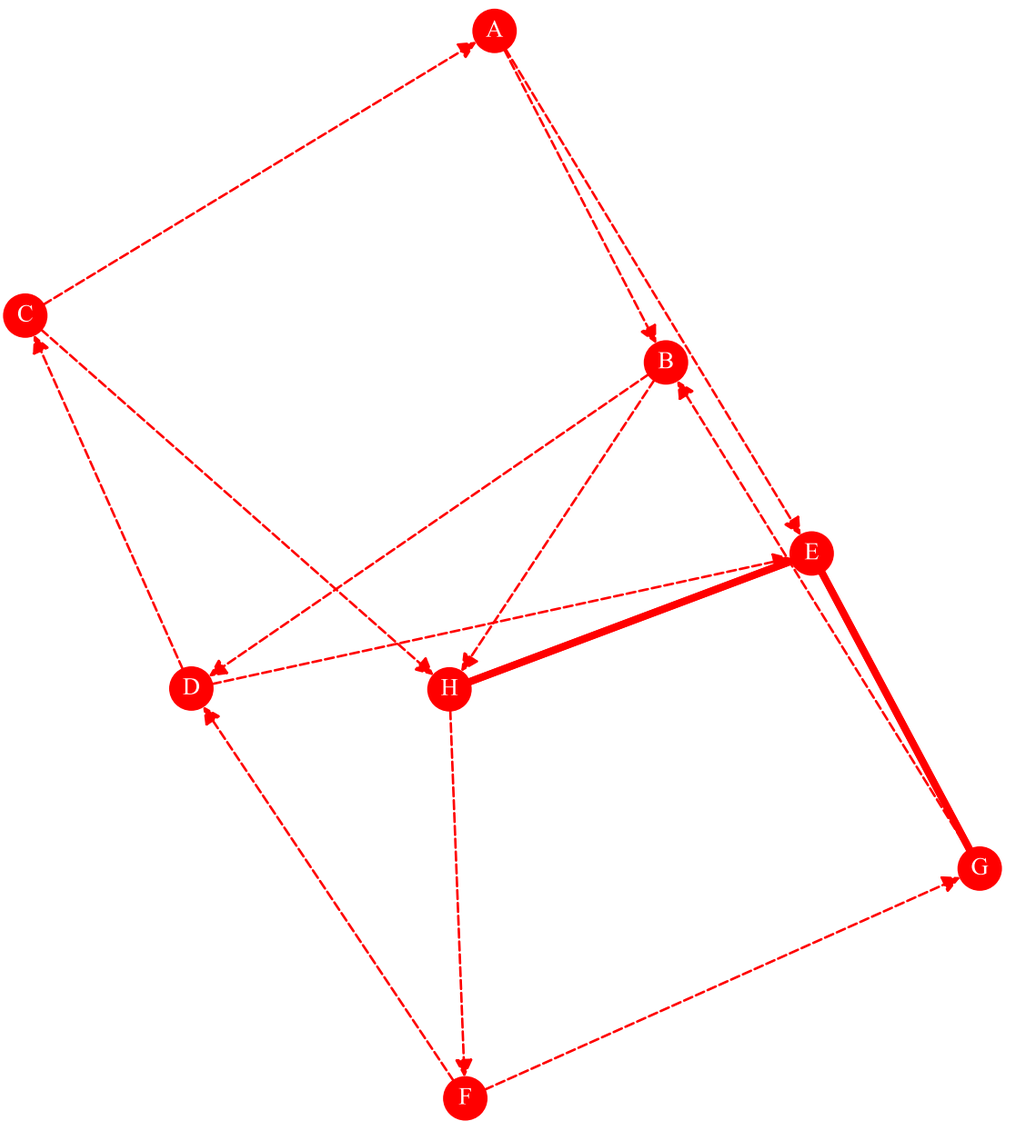
GROUP 2 - DEMO **SNA NETWORK GRAPH**

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	BT	CL	HU	ND
A	B, E	0.14	0.05	0.07	0.32	0.28	
B	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	
H	E, F	0.43	0.19	0.25	0.58	0.22	

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

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GROUP 2 - DEMO **SNA RANK SCORES**

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

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

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **HU** Hub **ND** No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄) Very low Low High Very high

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GROUP 2 - DEMO **SNA NODES ORDERED BY RANKS**

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

RANK	IC	RANK	PR	RANK	BT	RANK	CL	RANK	HU
1	E	1	E	1	D	1	E	1	A
2	H	2	H	2	H	2	H	1	G
3	B	3	G	3	B	3	B	2	D
3	D	4	D	4	E	3	D	2	H
3	G	5	B	5	C	3	G	3	C
4	A	6	F	6	F	4	F	4	B
4	C	7	C	7	G	5	C	5	E
4	F	8	A	8	A	6	A	6	F

IC In-Degree **PR** PageRank **BT** Betweenness **CL** Closenness **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 · B | A · E | B · D | B · H | C · A | C · H | D · C | D · E | F · D | F · G | G · B | H · F

Reciprocal edges

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

E · G | E · H

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

D · C | F · 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?

Strongly Connected Components

Maximal subgraphs where all vertices are mutually reachable.

8 A · B · C · D · E · F · G · H

Weakly Connected Components

Maximal subgraphs where any vertices are connected by undirected paths.

8 A · B · C · D · E · F · G · H

Cliques

Subgraphs that become fully connected when directional edges are ignored.

No components of this type

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GROUP 2 - DEMO **SOCIOGRAM**

ID	RP	RR	GP	GR	MP	MR	BL	OR	IM	AC	IC	ST
A	0	1	2	2	0	0	-1	0	1	-1	0	marginal
B	3	2	2	2	2	0	1	0	5	1	5	ambivalent
C	0	1	2	2	0	0	-1	0	1	-1	0	marginal
D	4	2	2	2	1	0	2	0	6	2	5	-
E	2	4	2	2	2	2	-2	0	6	-2	4	-
F	3	1	2	2	2	0	2	0	4	2	5	-
G	1	2	2	2	1	1	-1	0	3	-1	2	marginal
H	3	3	2	2	2	1	0	0	6	0	5	-

RP Received preferences **RR** Received rejections **GP** Given preferences **GR** Given rejections **MP** Mutual preferences **MR** Mutual rejections **BL** Balance **OR** Orientation **IM** Impact **AC** Affiliation coefficient **IC** Influence coefficient **ST** Sociometric status Very low Low High Very high

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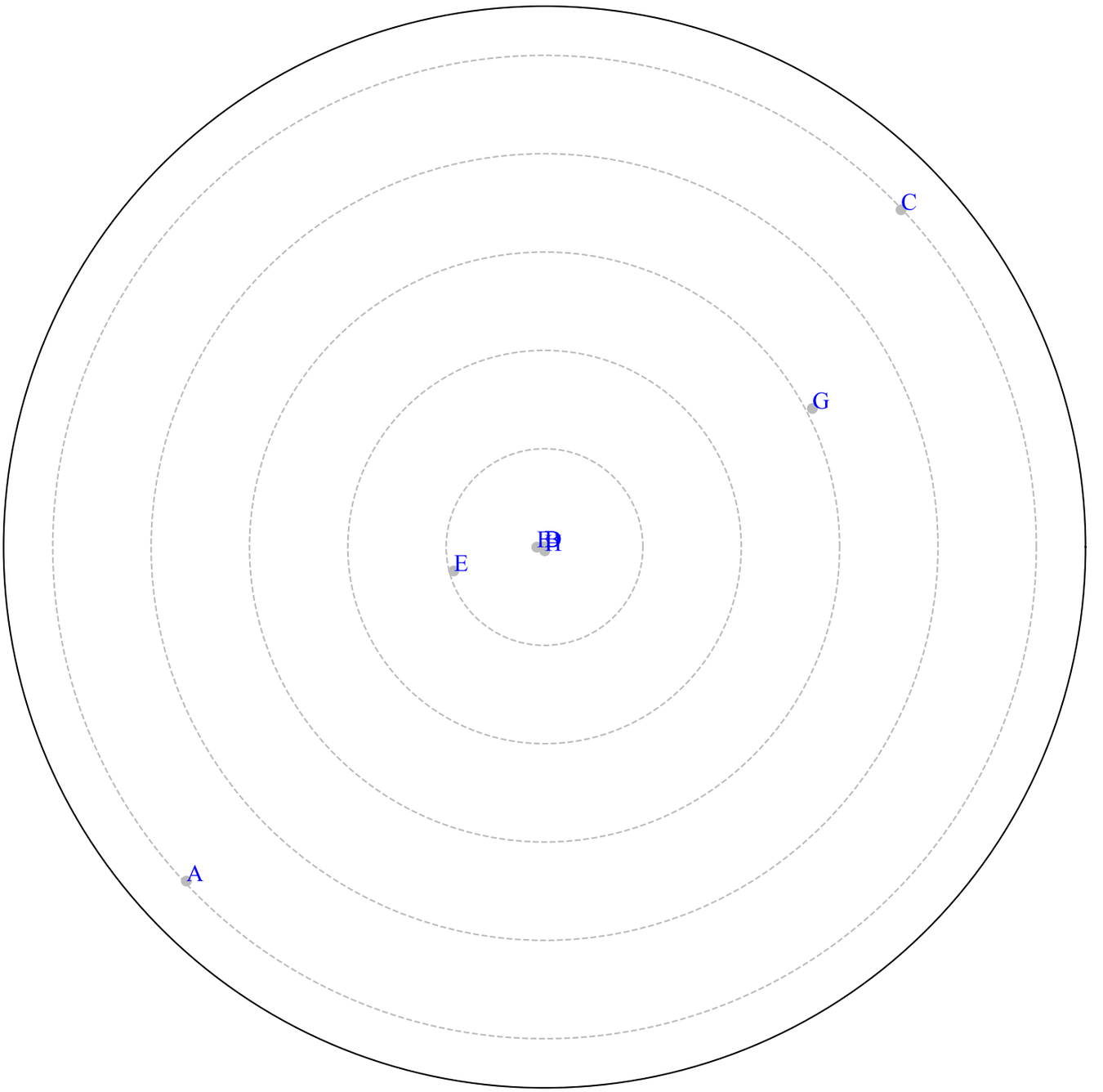
GROUP 2 - DEMO **SOCIOGRAM**

Influence coefficient



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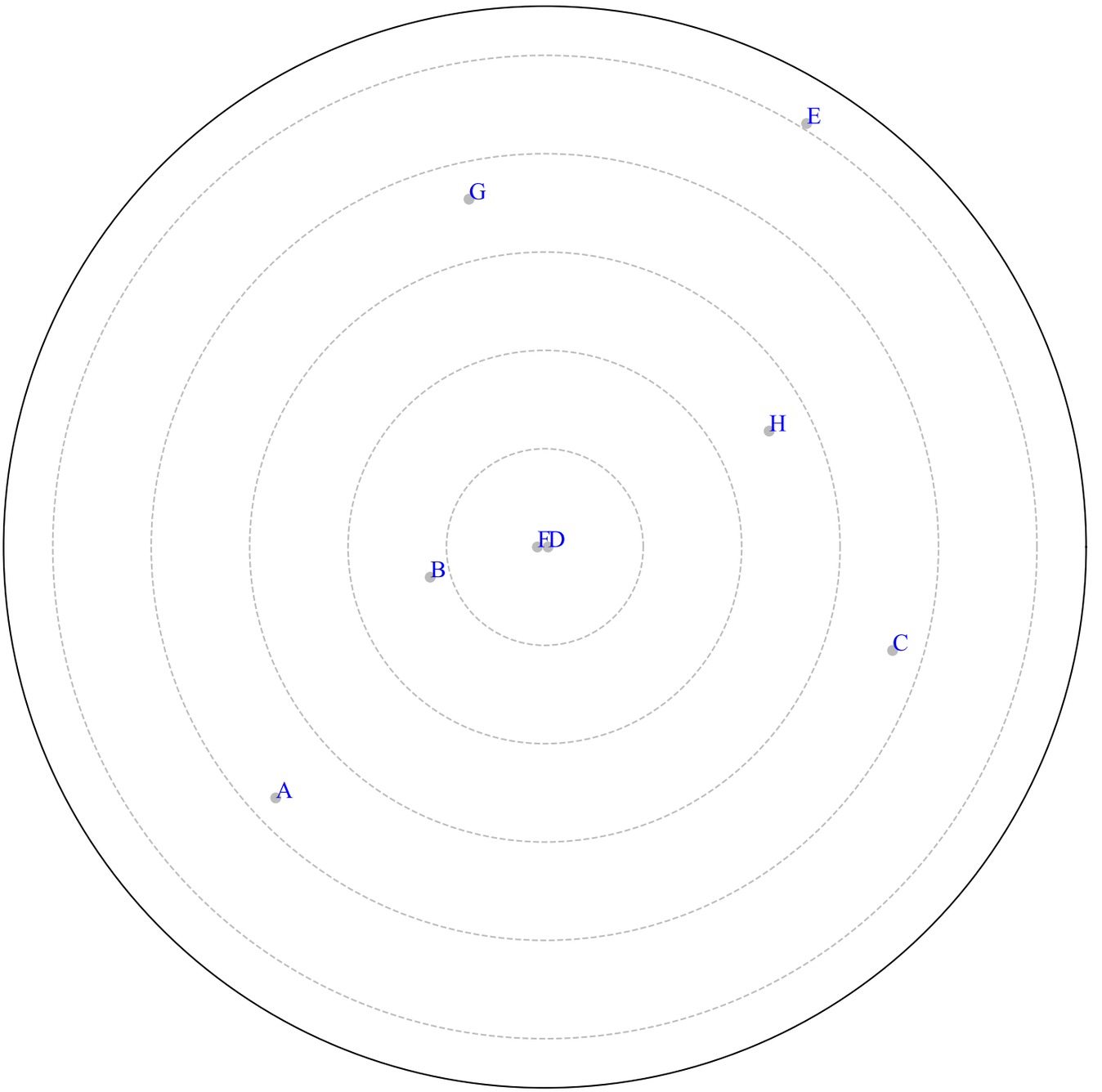
GROUP 2 - DEMO **SOCIOGRAM**

Affiliation coefficient



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GROUP 2 - DEMO **SOCIOGRAM NODES ORDERED BY RANKS**

RANK	RP	RANK	RR	RANK	GP	RANK	GR	RANK	BL	RANK	IM	RANK	AC	RANK	IC
1	D	1	E	1	A	1	A	1	D	1	D	1	D	1	B
2	B	2	H	1	B	1	B	1	F	1	E	1	F	1	D
2	F	3	B	1	C	1	C	2	B	1	H	2	B	1	F
2	H	3	D	1	D	1	D	3	H	2	B	3	H	1	H
3	E	3	G	1	E	1	E	4	A	3	F	4	A	2	E
4	G	4	A	1	F	1	F	4	C	4	G	4	C	3	G
5	A	4	C	1	G	1	G	4	G	5	A	4	G	4	A
5	C	4	F	1	H	1	H	5	E	5	C	5	E	4	C

RP Received preferences **RR** Received rejections **GP** Given preferences **GR** Given rejections **BL** Balance **IM** Impact **AC** Affiliation coefficient **IC** Influence coefficient

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GROUP 2 - DEMO **SOCIOGRAM STATISTICS**

Type I cohesion index : 62.50% , , Type II cohesion index : 0.62
Type I conflitct index : 25.00% , Type II conflitct index : 0.25

ID	Count	Median	IQR	Mean	SD	Min	P25	P50	P75	Max
Received preferences	8	2	2	2.00	1.51	0	0	2	3	4
Received rejections	8	2	1	2.00	1.07	1	1	2	2	4
Given Preferences	8	2	0	2.00	0.00	2	2	2	2	2
Given rejections	8	2	0	2.00	0.00	2	2	2	2	2
Mutual preferences	8	1	1	1.25	0.89	0	0	1	2	2
Mutual rejections	8	0	1	0.50	0.76	0	0	0	1	2
Balance	8	0	2	0.00	1.51	-2	-1	0	1	2
Orientation	8	0	0	0.00	0.00	0	0	0	0	0
Impact	8	4	3	4.00	2.14	1	2	4	6	6
Affiliation coefficient raw	8	0	2	0.00	1.51	-2	-1	0	1	2
Influence coefficient raw	8	4	3	3.25	2.25	0	1	4	5	5

IQR Interquartile range **SD** Standard Deviation **Min** Minimum value **P25** 25° percentile **P50** 50° percentile **P75** 75° percentile **Max** Maximum value