A B GRID

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a. Whom would you choose to spend a free outing with?

P	IC · KZ · PR · CL · BL · AI · II · POP	**75**
M	IC · PR · BL · AI · II · POP	**42**
i	BT · AI	**15**

Y	IC · KZ · BT · BL · AI · POP	**42**
E	AI · POP	**20**
V	CL · POP	**15**

b. Whom would you not choose to spend a free outing with?

H	IC · KZ · PR · BT · CL · BL · AI · II · REJ	**85**
c	IM · II	**20**

O	IC · KZ · PR · BT · CL · BL · AI · II · REJ	**64**
T	II · REJ	**20**

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*Definitions in alphabetical order: **AI** Affiliation Index **APP** Appreciated **BT** Betweenness **CL** Closeness **DIS** Disliked **HU** Hub **IC** In-Degree **II** Influence Index **ISO** Isolated **KZ** Katz **POP** Popular **PR** PageRank **REJ** Rejected*

a. Whom would you choose to spend a free outing with?

- -

NN 38, **NE** 102, **RE** 22, **ND** 7%, **NC** 17%, **NT** 28%, **NR** 43%

Definitions in alphabetical order: NC Centralization NE Number of Edges NN Number of Nodes NR Reciprocity NT Transitivity RE Number of Mutual Edges

DEMO | GROUP 1   **SNA | RAW SCORES**

a. Whom would you choose to spend a free outing with?

ID	CHOICES	IC	KZ	PR	BT	CL	HU	ND
A	N, P, e	0.08	0.17	0.04	0.01	0.30	0.05	
B	F, Y, f	0.03	0.13	0.01	0.02	0.06	0.02	
C	M, P, V	0.08	0.16	0.03	0.05	0.28	0.08	
D	a, d, l	0.03	0.13	0.01	0.02	0.03	0.01	
E	C, G, M	0.14	0.19	0.04	0.05	0.28	0.02	
F	B, I, N	0.11	0.17	0.02	0.02	0.11	0.01	
G	M, f, i	0.08	0.17	0.04	0.08	0.29	0.02	
H	C, J, Q	0.00	0.12	0.01	0.00	0.00	0.01	←
I	F, N, W	0.05	0.14	0.01	0.01	0.07	0.01	
J	Y, k, l	0.11	0.18	0.04	0.03	0.28	0.01	
K	P, R, h	0.00	0.12	0.01	0.00	0.00	0.06	←
L	-	0.00	0.12	0.01	0.00	0.00	0.00	⇄
M	E, G, j	0.19	0.23	0.06	0.11	0.35	0.01	
N	P, V, e	0.11	0.18	0.03	0.03	0.32	0.08	
O	A, i	0.00	0.12	0.01	0.00	0.00	0.01	←
P	A, Z, e	0.24	0.25	0.07	0.12	0.42	0.02	
Q	P, V, f	0.08	0.16	0.03	0.05	0.27	0.07	
R	N, S, d	0.14	0.19	0.03	0.08	0.29	0.01	
S	P, R, V	0.03	0.13	0.01	0.01	0.22	0.08	
T	P, b, h	0.00	0.12	0.01	0.00	0.00	0.05	←
U	-	0.00	0.12	0.01	0.00	0.00	0.00	⇄
V	-	0.16	0.21	0.05	0.00	0.40	0.00	→
W	E, F, I	0.03	0.13	0.01	0.01	0.05	0.01	
X	P, V, g	0.03	0.13	0.01	0.00	0.03	0.07	
Y	J, i, l	0.19	0.23	0.06	0.13	0.37	0.01	
Z	C, e, h	0.05	0.16	0.03	0.08	0.31	0.03	
a	D	0.03	0.13	0.01	0.00	0.03	0.00	
b	E, M, j	0.05	0.14	0.01	0.00	0.21	0.02	
c	F, R, d	0.00	0.12	0.01	0.00	0.00	0.02	←
d	R, Y, l	0.08	0.16	0.02	0.03	0.23	0.02	
e	A, P, V	0.11	0.19	0.06	0.01	0.34	0.07	
f	G, Q, Y	0.08	0.16	0.03	0.05	0.28	0.01	
g	E, M, X	0.03	0.13	0.01	0.01	0.03	0.02	
h	Y, Z, i	0.11	0.17	0.03	0.07	0.31	0.01	
i	M, R, h	0.11	0.18	0.05	0.14	0.35	0.04	
j	E, M, b	0.05	0.15	0.03	0.02	0.26	0.02	
k	J, Y, l	0.03	0.13	0.02	0.00	0.22	0.01	
l	J, Q, Y	0.14	0.20	0.05	0.05	0.29	0.01	

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

AB GRID

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DEMO | GROUP 1   **SNA | RANK SCORES**

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a. Whom would you choose to spend a free outing with?

ID	CHOICES	IC	KZ	PR	BT	CL	HU	ND
A	N, P, e	6	14	10	21	10	9	
B	F, Y, f	8	26	27	19	24	20	
C	M, P, V	6	18	18	12	13	1	
D	a, d, l	8	28	25	20	26	33	
E	C, G, M	4	6	11	11	13	17	
F	B, I, N	5	15	22	17	22	34	
G	M, f, i	6	12	9	6	12	12	
H	C, J, Q	9	29	31	29	27	31	←
I	F, N, W	7	22	26	25	23	30	
J	Y, k, l	5	10	8	15	14	23	
K	P, R, h	9	29	31	29	27	7	←
L	-	9	29	31	29	27	36	⇄
M	E, G, j	2	3	2	4	4	25	
N	P, V, e	5	11	12	16	7	3	
O	A, i	9	29	31	29	27	24	←
P	A, Z, e	1	1	1	3	1	19	
Q	P, V, f	6	16	16	13	16	4	
R	N, S, d	4	8	14	7	11	32	
S	P, R, V	8	24	24	26	19	2	
T	P, b, h	9	29	31	29	27	8	←
U	-	9	29	31	29	27	36	⇄
V	-	3	4	5	29	2	36	→
W	E, F, I	8	27	29	22	25	27	
X	P, V, g	8	28	30	27	26	6	
Y	J, i, l	2	2	3	2	3	29	
Z	C, e, h	7	20	13	5	8	11	
a	D	8	28	28	29	26	35	
b	E, M, j	7	23	23	28	21	15	
c	F, R, d	9	29	31	29	27	18	←
d	R, Y, l	6	19	20	14	18	14	
e	A, P, V	5	7	4	23	6	5	
f	G, Q, Y	6	17	17	10	15	26	
g	E, M, X	8	28	30	24	26	16	
h	Y, Z, i	5	13	15	8	9	22	
i	M, R, h	5	9	7	1	5	10	
j	E, M, b	7	21	19	18	17	13	
k	J, Y, l	8	25	21	29	20	21	
l	J, Q, Y	4	5	6	9	12	28	

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

![AB GRID]

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a. Whom would you choose to spend a free outing with?

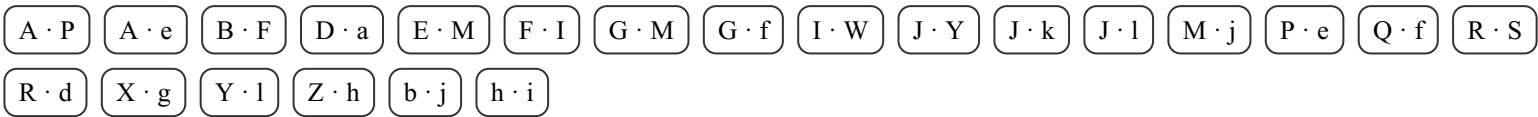| IC	RK	KZ	RK	PR	RK	BT	RK	CL	RK	HU	RK
P	1	P	1	P	1	i	1	P	1	C	1
Y	2	Y	2	M	2	Y	2	V	2	S	2
M	2	M	3	Y	3	P	3	Y	3	N	3
V	3	V	4	e	4	M	4	M	4	Q	4
l	4	l	5	V	5	Z	5	i	5	e	5
E	4	E	6	l	6	G	6	e	6	X	6
R	4	e	7	i	7	R	7	N	7	K	7
i	5	R	8	J	8	h	8	Z	8	T	8
h	5	i	9	G	9	l	9	h	9	A	9
F	5	J	10	A	10	f	10	A	10	i	10
e	5	N	11	E	11	E	11	R	11	Z	11
J	5	G	12	N	12	C	12	l	12	G	12
N	5	h	13	Z	13	Q	13	G	12	j	13
f	6	A	14	R	14	d	14	C	13	d	14
d	6	F	15	h	15	J	15	E	13	b	15
Q	6	Q	16	Q	16	N	16	J	14	g	16
A	6	f	17	f	17	F	17	f	15	E	17
C	6	C	18	C	18	j	18	Q	16	c	18
G	6	d	19	j	19	B	19	j	17	P	19
b	7	Z	20	d	20	D	20	d	18	B	20
j	7	j	21	k	21	A	21	S	19	k	21
I	7	I	22	F	22	W	22	k	20	h	22
Z	7	b	23	b	23	e	23	b	21	J	23
B	8	S	24	S	24	g	24	F	22	O	24
g	8	k	25	D	25	I	25	I	23	M	25
D	8	B	26	I	26	S	26	B	24	f	26
S	8	W	27	B	27	X	27	W	25	W	27
X	8	a	28	a	28	b	28	a	26	l	28
W	8	D	28	W	29	H	29	D	26	Y	29
k	8	g	28	g	30	K	29	g	26	I	30
a	8	X	28	X	30	L	29	X	26	H	31
O	9	L	29	U	31	V	29	L	27	R	32
c	9	H	29	T	31	c	29	U	27	D	33
H	9	c	29	O	31	a	29	c	27	F	34
K	9	U	29	H	31	k	29	T	27	a	35
U	9	T	29	L	31	T	29	H	27	V	36
T	9	K	29	c	31	U	29	O	27	U	36
L	9	O	29	K	31	O	29	K	27	L	36

Definitions in alphabetical order: BT *Betweenness* **CL** *Closeness* **HU** *Hub* **IC** *In-Degree* **KZ** *Katz* **RK** *Rank*

a. Whom would you choose to spend a free outing with?

Non reciprocal edges

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

A · N	B · Y	B · f	C · M	C · P	C · V	D · d	D · l	E · C	E · G	F · N	G · i	H · C	H · J	H · Q

| I · N | K · P | K · R | K · h | N · P | N · V | N · e | O · A | O · i | P · Z | Q · P | Q · V | R · N | S · P | S · V |

| T · P | T · b | T · h | W · E | W · F | X · P | X · V | Y · i | Z · C | Z · e | b · E | b · M | c · F | c · R | c · d | d · Y |

| d · l | e · V | f · Y | g · E | g · M | h · Y | i · M | i · R | j · E | k · Y | k · l | l · Q |

Reciprocal edges

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

A · P	A · e	B · F	D · a	E · M	F · I	G · M	G · f	I · W	J · Y	J · k	J · l	M · j	P · e	Q · f	R · S

| R · d | X · g | Y · l | Z · h | b · j | h · i |
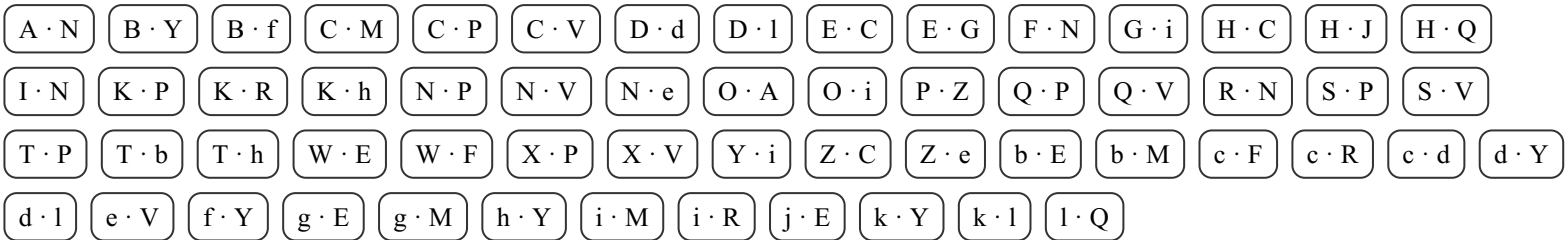
Half symmetrical edges

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

Q · V	Q · f

Reversed half symmetrical edges

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

f · Q

Full symmetrical edges

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

No edge of this type

a. Whom would you choose to spend a free outing with?

Cliques

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

| 4 E · M · b · j | J · Y · k · l | A · N · P · e | 3 R · c · d | E · M · g | C · E · M | E · G · M | Y · h · i |

| B · Y · f | Y · d · l | D · d · l | P · Z · e | C · P · Z | G · M · i | F · I · N | F · I · W | N · V · e |

Strongly Connected Groups

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

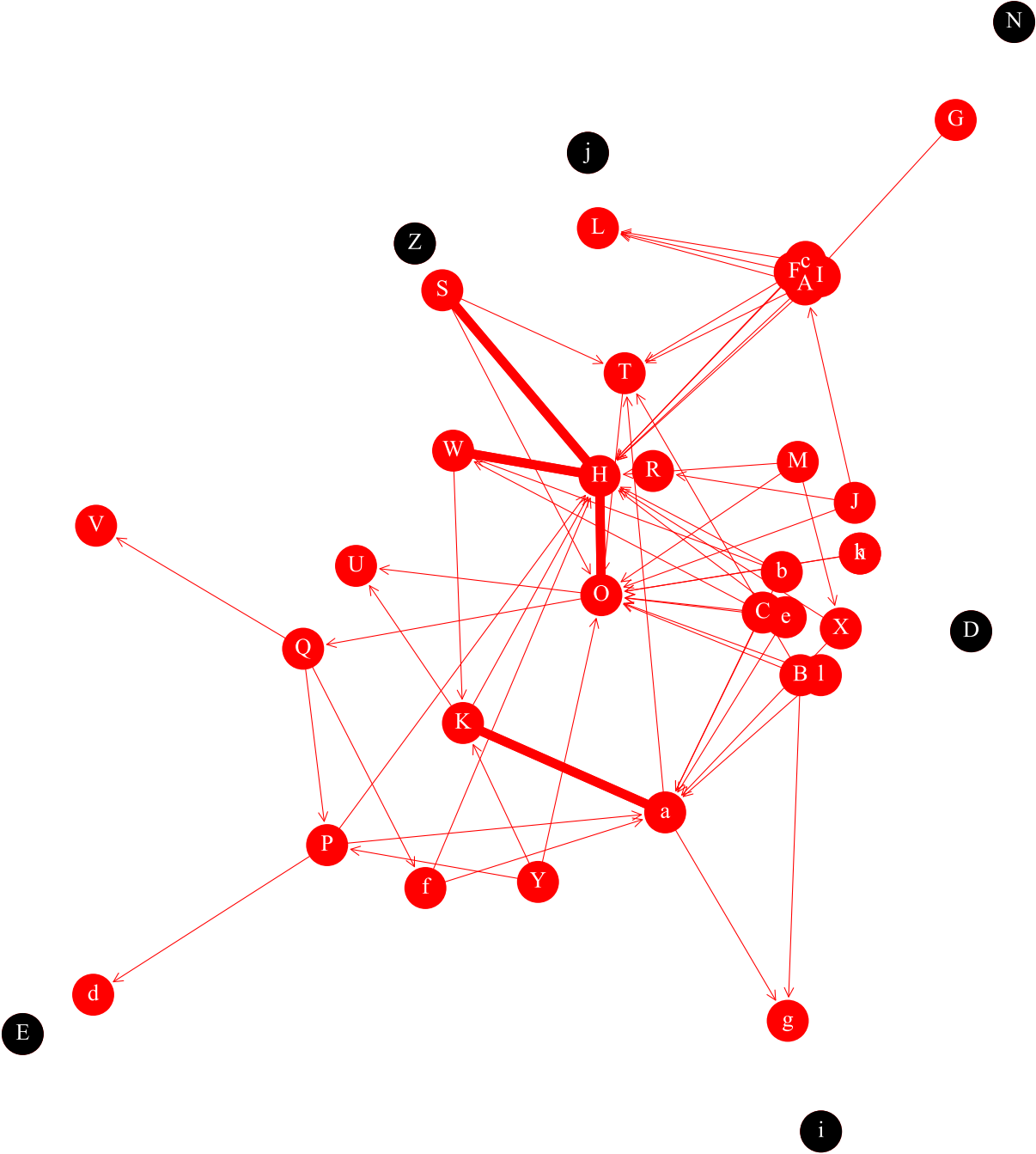| 22 A · C · E · G · J · M · N · P · Q · R · S · Y · Z · b · d · e · f · h · i · j · k · l | 4 B · F · I · W |

Weakly Connected Groups

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

| 36 A · B · C · D · E · F · G · H · I · J · K · M · N · O · P · Q · R · S · T · V · W · X · Y · Z · a · b · c · d · e · f · g · h · i · j · k · l |

b. Whom would you not choose to spend a free outing with?

NN 38, **NE** 63, **RE** 4, **ND** 4%, **NC** 31%, **NT** 12%, **NR** 13%

Definitions in alphabetical order: NC Centralization NE Number of Edges NN Number of Nodes NR Reciprocity NT Transitivity RE Number of Mutual Edges

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b. Whom would you not choose to spend a free outing with?

ID	CHOICES	IC	KZ	PR	BT	CL	HU	ND
A	H, L, T	0.05	0.15	0.02	0.01	0.05	0.05	
B	O, T, g	0.00	0.13	0.01	0.00	0.00	0.03	←
C	O, W, a	0.00	0.13	0.01	0.00	0.00	0.05	←
D	-	0.00	0.13	0.01	0.00	0.00	0.00	⇄
E	-	0.00	0.13	0.01	0.00	0.00	0.00	⇄
F	H, L, T	0.00	0.13	0.01	0.00	0.00	0.05	←
G	A	0.00	0.13	0.01	0.00	0.00	0.00	←
H	O, S, W	0.38	0.35	0.15	0.10	0.47	0.03	
I	H	0.00	0.13	0.01	0.00	0.00	0.03	←
J	A, O, R	0.00	0.13	0.01	0.00	0.00	0.02	←
K	H, U, a	0.08	0.18	0.05	0.02	0.25	0.06	
L	-	0.08	0.17	0.02	0.00	0.10	0.00	→
M	H, O, X	0.00	0.13	0.01	0.00	0.00	0.06	←
N	-	0.00	0.13	0.01	0.00	0.00	0.00	⇄
O	H, Q, U	0.32	0.31	0.14	0.13	0.42	0.04	
P	H, a, d	0.05	0.16	0.02	0.03	0.21	0.06	
Q	P, V, f	0.03	0.16	0.05	0.08	0.27	0.00	
R	-	0.03	0.14	0.01	0.00	0.03	0.00	→
S	H, O, T	0.03	0.16	0.05	0.01	0.28	0.06	
T	O	0.14	0.21	0.05	0.01	0.30	0.02	
U	-	0.05	0.18	0.06	0.00	0.29	0.00	→
V	-	0.03	0.14	0.02	0.00	0.21	0.00	→
W	H, K	0.08	0.19	0.06	0.02	0.30	0.04	
X	H, a	0.03	0.14	0.01	0.00	0.03	0.05	
Y	K, O, P	0.00	0.13	0.01	0.00	0.00	0.03	←
Z	-	0.00	0.13	0.01	0.00	0.00	0.00	⇄
a	K, T, g	0.22	0.24	0.05	0.03	0.25	0.02	
b	H, W, a	0.00	0.13	0.01	0.00	0.00	0.06	←
c	H, L	0.00	0.13	0.01	0.00	0.00	0.04	←
d	-	0.03	0.14	0.02	0.00	0.17	0.00	→
e	H, O, a	0.00	0.13	0.01	0.00	0.00	0.07	←
f	H, a	0.03	0.14	0.02	0.01	0.20	0.05	
g	-	0.05	0.16	0.03	0.00	0.21	0.00	→
h	O	0.00	0.13	0.01	0.00	0.00	0.02	←
i	-	0.00	0.13	0.01	0.00	0.00	0.00	⇄
j	-	0.00	0.13	0.01	0.00	0.00	0.00	⇄
k	O	0.00	0.13	0.01	0.00	0.00	0.02	←
l	O, a	0.00	0.13	0.01	0.00	0.00	0.04	←

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

A B GRID

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DEMO | GROUP 1   **SNA | RANK SCORES**

b. Whom would you not choose to spend a free outing with?

ID	CHOICES	IC	KZ	PR	BT	CL	HU	ND
A	H, L, T	6	13	14	8	15	8	
B	O, T, g	8	17	17	13	17	15	←
C	O, W, a	8	17	17	13	17	9	←
D	-	8	17	17	13	17	23	⇄
E	-	8	17	17	13	17	23	⇄
F	H, L, T	8	17	17	13	17	8	←
G	A	8	17	17	13	17	22	←
H	O, S, W	1	1	1	2	1	16	
I	H	8	17	17	13	17	14	←
J	A, O, R	8	17	17	13	17	18	←
K	H, U, a	5	6	7	7	8	4	
L	-	5	8	13	13	14	23	→
M	H, O, X	8	17	17	13	17	5	←
N	-	8	17	17	13	17	23	⇄
O	H, Q, U	2	2	2	1	2	12	
P	H, a, d	6	12	11	5	10	6	
Q	P, V, f	7	11	9	3	7	21	
R	-	7	16	16	13	16	23	→
S	H, O, T	7	10	6	11	6	2	
T	O	4	4	8	9	3	19	
U	-	6	7	3	13	5	23	→
V	-	7	14	12	13	9	23	→
W	H, K	5	5	4	6	4	13	
X	H, a	7	16	16	12	16	7	
Y	K, O, P	8	17	17	13	17	17	←
Z	-	8	17	17	13	17	23	⇄
a	K, T, g	3	3	5	4	8	20	
b	H, W, a	8	17	17	13	17	3	←
c	H, L	8	17	17	13	17	11	←
d	-	7	15	15	13	13	23	→
e	H, O, a	8	17	17	13	17	1	←
f	H, a	7	14	12	10	12	7	
g	-	6	9	10	13	11	23	→
h	O	8	17	17	13	17	19	←
i	-	8	17	17	13	17	23	⇄
j	-	8	17	17	13	17	23	⇄
k	O	8	17	17	13	17	19	←
l	O, a	8	17	17	13	17	10	←

Definitions in alphabetical order: BT Betweenness CL Closeness HU Hub IC In-Degree KZ Katz ND No In-Degree (←) No Out-Degree (→) No In or Out-Degree (⇄)

b. Whom would you not choose to spend a free outing with?

IC	RK	KZ	RK	PR	RK	BT	RK	CL	RK	HU	RK
H	1	H	1	H	1	O	1	H	1	e	1
O	2	O	2	O	2	H	2	O	2	S	2
a	3	a	3	U	3	Q	3	T	3	b	3
T	4	T	4	W	4	a	4	W	4	K	4
W	5	W	5	a	5	P	5	U	5	M	5
K	5	K	6	S	6	W	6	S	6	P	6
L	5	U	7	K	7	K	7	Q	7	f	7
A	6	L	8	T	8	A	8	a	8	X	7
g	6	g	9	Q	9	T	9	K	8	A	8
U	6	S	10	g	10	f	10	V	9	F	8
P	6	Q	11	P	11	S	11	P	10	C	9
f	7	P	12	f	12	X	12	g	11	l	10
d	7	A	13	V	12	L	13	f	12	c	11
X	7	f	14	L	13	j	13	d	13	O	12
V	7	V	14	A	14	i	13	L	14	W	13
R	7	d	15	d	15	h	13	A	15	I	14
S	7	R	16	R	16	g	13	R	16	B	15
Q	7	X	16	X	16	B	13	X	16	H	16
N	8	N	17	M	17	e	13	M	17	Y	17
j	8	j	17	j	17	d	13	j	17	J	18
i	8	i	17	i	17	c	13	i	17	k	19
h	8	h	17	h	17	b	13	h	17	h	19
B	8	B	17	B	17	C	13	B	17	T	19
C	8	e	17	C	17	Z	13	C	17	a	20
e	8	c	17	e	17	Y	13	e	17	Q	21
D	8	b	17	c	17	D	13	D	17	G	22
c	8	Z	17	b	17	V	13	c	17	U	23
b	8	M	17	D	17	U	13	E	17	j	23
Z	8	Y	17	Z	17	E	13	N	17	i	23
Y	8	D	17	Y	17	k	13	Z	17	g	23
F	8	E	17	E	17	R	13	Y	17	L	23
G	8	F	17	F	17	F	13	F	17	N	23
I	8	k	17	G	17	G	13	G	17	D	23
J	8	G	17	I	17	I	13	I	17	Z	23
M	8	I	17	k	17	N	13	J	17	R	23
k	8	J	17	J	17	M	13	k	17	V	23
E	8	C	17	N	17	J	13	b	17	d	23
l	8	l	17	l	17	l	13	l	17	E	23

*Definitions in alphabetical order: **BT** Betweenness **CL** Closeness **HU** Hub **IC** In-Degree **KZ** Katz **RK** Rank*

b. Whom would you not choose to spend a free outing with?

Non reciprocal edges

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

| A · H | A · L | A · T | B · O | B · T | B · g | C · O | C · W | C · a | F · H | F · L | F · T | G · A | I · H | J · A |

| J · O | J · R | K · H | K · U | M · H | M · O | M · X | O · Q | O · U | P · H | P · a | P · d | Q · P | Q · V | Q · f |

| S · O | S · T | T · O | W · K | X · H | X · a | Y · K | Y · O | Y · P | a · T | a · g | b · H | b · W | b · a | c · H |

| c · L | e · H | e · O | e · a | f · H | f · a | h · O | k · O | l · O | l · a |

Reciprocal edges

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

| H · O | H · S | H · W | K · a |

Half symmetrical edges

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

| Q · V | Q · f |

Reversed half symmetrical edges

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

| Q · f |

Full symmetrical edges

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

No edge of this type

b. Whom would you not choose to spend a free outing with?

Cliques

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

| 3 H · K · W | H · M · X | H · W · b | B · O · T | O · S · T | H · M · O | H · O · S | H · O · e |

Strongly Connected Groups

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

| 10 H · K · O · P · Q · S · T · W · a · f |

Weakly Connected Groups

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

| 32 A · B · C · F · G · H · I · J · K · L · M · O · P · Q · R · S · T · U · V · W · X · Y · a · b · c · d · e · f · g · h · k · l |

DEMO | GROUP 1   **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
P	-5	P	-11	P	-10	i	-12	P	-9	C	-8
Y	-6	Y	-15	M	-15	Y	-11	V	-7	S	0
M	-6	M	-14	Y	-14	P	-2	Y	-14	N	-20
V	-4	V	-10	e	-13	M	-9	M	-13	Q	-17
l	-4	l	-12	V	-7	Z	-8	i	-12	e	4
E	-4	E	-11	l	-11	G	-7	e	-11	X	-1
R	-3	e	-10	i	-10	R	-6	N	-10	K	3
i	-3	R	-8	J	-9	h	-5	Z	-9	T	-11
h	-3	i	-8	G	-8	l	-4	h	-8	A	1
F	-3	J	-7	A	-4	f	0	A	-5	i	-13
e	-3	N	-6	E	-6	E	-2	R	-5	Z	-12
J	-3	G	-5	N	-5	C	-1	l	-5	G	-10
N	-3	h	-4	Z	-4	Q	10	G	-5	j	-10
f	-1	A	1	R	-2	d	1	C	-4	d	-9
d	-1	F	-2	h	-2	J	2	E	-4	b	12
Q	-1	Q	5	Q	7	N	3	J	-3	g	-7
A	0	f	3	f	5	F	4	f	3	E	-6
C	-2	C	1	C	1	j	5	Q	9	c	7
G	-2	d	4	j	2	B	6	j	0	P	13
b	-1	Z	3	d	5	D	7	d	5	B	5
j	-1	j	4	k	4	A	13	S	13	k	2
I	-1	I	5	F	5	W	16	k	3	h	3
Z	-1	b	6	b	6	e	10	b	4	J	5
B	0	S	14	S	18	g	11	F	5	O	12
g	2	k	8	D	8	I	12	I	6	M	20
D	0	B	9	I	9	S	15	B	7	f	19
S	1	W	22	B	10	X	15	W	21	W	14
X	1	a	25	a	23	b	15	a	18	l	18
W	3	D	11	W	25	H	27	D	9	Y	12
k	0	g	19	g	20	K	22	g	15	I	16
a	5	X	12	X	14	L	16	X	10	H	15
O	7	L	21	U	28	V	16	L	13	R	9
c	1	H	28	T	23	c	16	U	22	D	10
H	8	c	12	O	29	a	25	c	10	F	26
K	4	U	22	H	30	k	16	T	24	a	15
U	3	T	25	L	18	T	20	H	26	V	13
T	5	K	23	c	14	U	16	O	25	U	13
L	4	O	27	K	24	O	28	K	19	L	13

*Definitions in alphabetical order: **BT** Betweenness **CL** Closeness **HU** Hub **IC** In-Degree **KZ** Katz **NO** Node*

DEMO | GROUP 1   **SNA | DESCRIPTIVE**

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a. Whom would you choose to spend a free outing with?

- -

NN 38, **NE** 102, **RE** 22, **ND** 7%, **NC** 17%, **NT** 28%, **NR** 43%

ID	Count	Min	Max	Median	Mean	SD	CV	GN	SK	KT	P25	P75
In degree Centrality	38.00	0.00	0.24	0.07	0.07	0.06	0.84	0.46	0.80	0.28	0.03	0.11
PageRank Centrality	38.00	0.01	0.07	0.02	0.03	0.02	0.73	0.40	0.62	-0.78	0.01	0.04
Katz Centrality	38.00	0.12	0.25	0.16	0.16	0.04	0.23	0.13	0.68	-0.13	0.13	0.18
Betweenness Centrality	38.00	0.00	0.14	0.02	0.03	0.04	1.18	0.61	1.24	0.59	0.00	0.05
Closeness Centrality	38.00	0.00	0.42	0.25	0.19	0.14	0.75	0.41	-0.23	-1.59	0.03	0.30
Hub Centrality	38.00	0.00	0.08	0.02	0.03	0.03	1.00	0.51	1.09	-0.30	0.01	0.04

Definitions in alphabetical order: COUNT Frequency CV Coefficient of Variation GN Gini Coefficient KT Kurtosis MAX Maximum Value MEAN Mean MEDIAN Median MIN Minimum Value NC Centralization NE Number of Edges NN Number of Nodes NR Reciprocity NT Transitivity P25 25th Percentile P75 75th Percentile SD Standard Deviation SK Skewness SUM Sum

b. Whom would you not choose to spend a free outing with?

- -

NN 38, **NE** 63, **RE** 4, **ND** 4%, **NC** 31%, **NT** 12%, **NR** 13%

ID	Count	Min	Max	Median	Mean	SD	CV	GN	SK	KT	P25	P75
In degree Centrality	38.00	0.00	0.38	0.00	0.04	0.09	1.92	0.76	2.83	8.08	0.00	0.05
PageRank Centrality	38.00	0.01	0.15	0.01	0.03	0.03	1.24	0.51	2.65	7.45	0.01	0.03
Katz Centrality	38.00	0.13	0.35	0.13	0.15	0.05	0.32	0.13	2.72	7.73	0.13	0.16
Betweenness Centrality	38.00	0.00	0.13	0.00	0.01	0.03	2.41	0.85	3.02	8.82	0.00	0.01
Closeness Centrality	38.00	0.00	0.47	0.00	0.11	0.14	1.32	0.66	0.99	-0.21	0.00	0.21
Hub Centrality	38.00	0.00	0.07	0.02	0.03	0.02	0.91	0.50	0.24	-1.34	0.00	0.05

Definitions in alphabetical order: COUNT Frequency CV Coefficient of Variation GN Gini Coefficient KT Kurtosis MAX Maximum Value MEAN Mean MEDIAN Median MIN Minimum Value NC Centralization NE Number of Edges NN Number of Nodes NR Reciprocity NT Transitivity P25 25th Percentile P75 75th Percentile SD Standard Deviation SK Skewness SUM Sum

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.

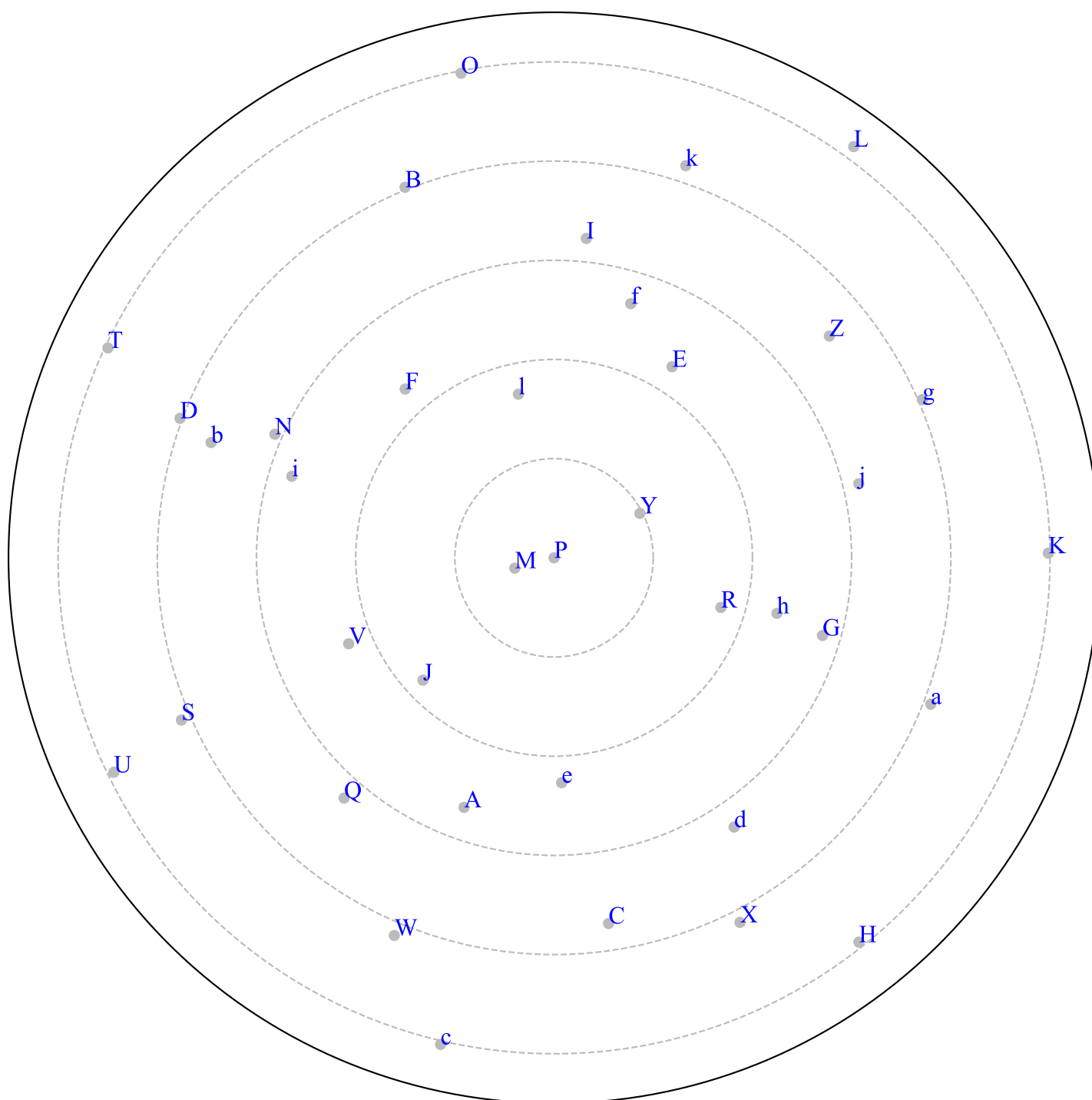| ID	RP	RR	GP	GR	MP	MR	BL	OR	IM	AI	II	ST
A	3	2	3	3	2	0	1	0	5	1	5	ambitendent
B	1	0	3	3	1	0	1	0	1	1	2	marginal
C	3	0	3	3	0	0	3	0	3	3	3	appreciated
D	1	0	3	0	1	0	1	3	1	4	2	marginal
E	5	0	3	0	1	0	5	3	5	8	6	popular
F	4	0	3	3	2	0	4	0	4	4	6	appreciated
G	3	0	3	1	2	0	3	2	3	5	5	appreciated
H	0	14	3	3	0	3	-14	0	14	-14	0	rejected
I	2	0	3	1	2	0	2	2	2	4	4	appreciated
J	4	0	3	3	3	0	4	0	4	4	7	appreciated
K	0	3	3	3	0	1	-3	0	3	-3	0	disliked
L	0	3	0	0	0	0	-3	0	3	-3	0	disliked
M	7	0	3	3	3	0	7	0	7	7	10	popular
N	4	0	3	0	0	0	4	3	4	7	4	appreciated
O	0	12	2	3	0	1	-12	-1	12	-13	0	rejected
P	9	2	3	3	2	0	7	0	11	7	11	popular
Q	3	1	3	3	1	0	2	0	4	2	4	appreciated
R	5	1	3	0	2	0	4	3	6	7	7	appreciated
S	1	1	3	3	1	1	0	0	2	0	2	ambitendent
T	0	5	3	1	0	0	-5	2	5	-3	0	rejected
U	0	2	0	0	0	0	-2	0	2	-2	0	disliked
V	6	1	0	0	0	0	5	0	7	5	6	popular
W	1	3	3	2	1	1	-2	1	4	-1	2	disliked
X	1	1	3	2	1	0	0	1	2	1	2	ambitendent
Y	7	0	3	3	2	0	7	0	7	7	9	popular
Z	2	0	3	0	1	0	2	3	2	5	3	appreciated
a	1	8	1	3	1	1	-7	-2	9	-9	2	rejected
b	2	0	3	3	1	0	2	0	2	2	3	appreciated
c	0	0	3	2	0	0	0	1	0	1	0	marginal
d	3	1	3	0	1	0	2	3	4	5	4	appreciated
e	4	0	3	3	2	0	4	0	4	4	6	appreciated
f	3	1	3	2	2	0	2	1	4	3	5	appreciated
g	1	2	3	0	1	0	-1	3	3	2	2	ambitendent
h	4	0	3	1	2	0	4	2	4	6	6	appreciated
i	4	0	3	0	1	0	4	3	4	7	5	appreciated
j	2	0	3	0	2	0	2	3	2	5	4	appreciated
k	1	0	3	1	1	0	1	2	1	3	2	marginal
l	5	0	3	2	2	0	5	1	5	6	7	popular

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

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.
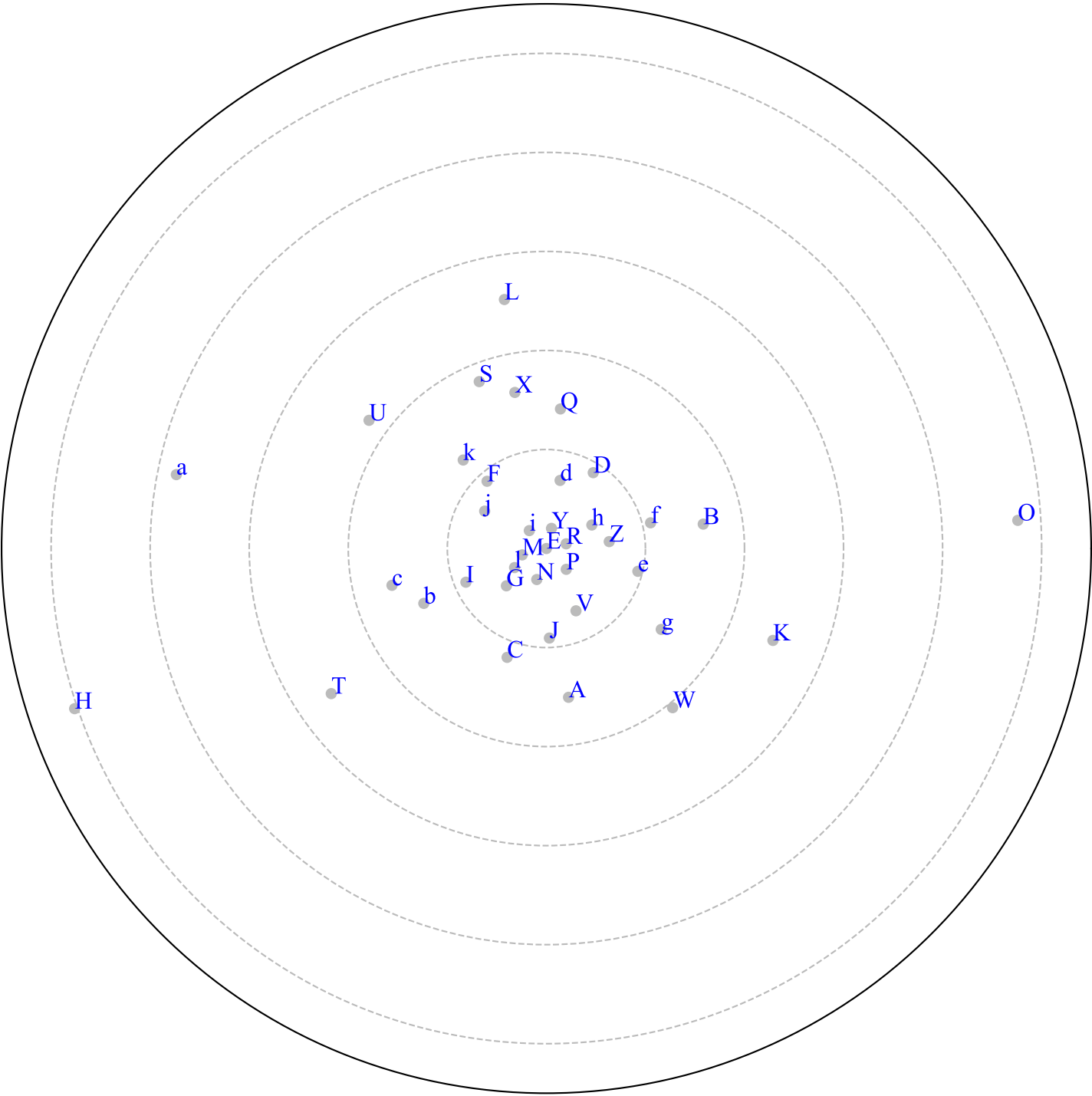
BL	RK	IM	RK	AI	RK	II	RK	ST	RK
P	1.0	H	1.0	E	1.0	P	1.0	l	1
M	1.0	O	2.0	M	2.0	M	2.0	Y	1
Y	1.0	P	3.0	R	2.0	Y	3.0	V	1
l	2.0	a	4.0	P	2.0	l	4.0	E	1
V	2.0	Y	5.0	N	2.0	J	4.0	P	1
E	2.0	V	5.0	Y	2.0	R	4.0	M	1
F	3.0	M	5.0	i	2.0	h	5.0	d	2
R	3.0	R	6.0	h	3.0	E	5.0	e	2
e	3.0	A	7.0	l	3.0	F	5.0	f	2
i	3.0	T	7.0	j	4.0	e	5.0	R	2
N	3.0	l	7.0	V	4.0	V	5.0	Q	2
h	3.0	E	7.0	d	4.0	i	6.0	Z	2
J	3.0	J	8.0	Z	4.0	f	6.0	N	2
C	4.0	N	8.0	G	4.0	A	6.0	i	2
G	4.0	i	8.0	D	5.0	G	6.0	J	2
I	5.0	h	8.0	I	5.0	j	7.0	I	2
d	5.0	Q	8.0	e	5.0	Q	7.0	j	2
j	5.0	F	8.0	F	5.0	I	7.0	G	2
Q	5.0	f	8.0	J	5.0	d	7.0	F	2
b	5.0	e	8.0	f	6.0	N	7.0	C	2
Z	5.0	W	8.0	C	6.0	Z	8.0	h	2
f	5.0	d	8.0	k	6.0	C	8.0	b	2
A	6.0	L	9.0	Q	7.0	b	8.0	k	3
k	6.0	g	9.0	g	7.0	B	9.0	D	3
D	6.0	C	9.0	b	7.0	g	9.0	c	3
B	6.0	G	9.0	c	8.0	D	9.0	B	3
X	7.0	K	9.0	A	8.0	S	9.0	g	4
c	7.0	Z	10.0	X	8.0	X	9.0	A	4
S	7.0	b	10.0	B	8.0	W	9.0	X	4
g	8.0	X	10.0	S	9.0	k	9.0	S	4
U	9.0	U	10.0	W	10.0	a	9.0	W	6
W	9.0	I	10.0	U	11.0	H	10.0	U	6
L	10.0	j	10.0	T	12.0	c	10.0	L	6
K	10.0	S	10.0	L	12.0	U	10.0	K	6
T	11.0	B	11.0	K	12.0	T	10.0	T	8
a	12.0	D	11.0	a	13.0	K	10.0	O	8
O	13.0	k	11.0	O	14.0	L	10.0	H	8
H	14.0	c	12.0	H	15.0	O	10.0	a	8

Definitions in alphabetical order: AI Affiliation Index BL Balance GP Given Preferences GR Given Rejections II Influence Index IM Impact RP Received Preferences RR Received Rejections

Influence index

Affiliation index

DEMO | GROUP 1

Type I cohesion index : 43.14% *Type II cohesion index : 0.58*
Type I conflitct index : 12.70% *Type II conflitct index : 0.11*

ID	Count	Min	Max	Median	Mean	SD	CV	GN	SK	KT	P25	P75
Received preferences	38.00	0.00	9.00	2.50	2.68	2.27	0.84	0.46	0.80	0.28	1.00	4.00
Received rejections	38.00	0.00	14.00	0.00	1.66	3.18	1.92	0.76	2.83	8.08	0.00	2.00
Given Preferences	38.00	0.00	3.00	3.00	2.68	0.87	0.33	0.10	-2.66	5.73	3.00	3.00
Given rejections	38.00	0.00	3.00	2.00	1.66	1.32	0.80	0.43	-0.21	-1.76	0.00	3.00
Mutual preferences	38.00	0.00	3.00	1.00	1.16	0.89	0.77	0.41	0.17	-0.83	0.25	2.00
Mutual rejections	38.00	0.00	3.00	0.00	0.21	0.58	2.74	0.88	3.55	14.69	0.00	0.00
Balance	38.00	-14.00	7.00	2.00	1.03	4.61	4.49	0.41	-1.61	3.18	0.00	4.00
Orientation	38.00	-2.00	3.00	0.50	1.03	1.38	1.35	0.56	0.21	-1.01	0.00	2.00
Impact	38.00	0.00	14.00	4.00	4.34	3.05	0.70	0.35	1.52	2.49	2.00	5.00
Affiliation index	38.00	-14.00	8.00	3.50	2.05	5.19	2.53	0.36	-1.67	2.92	1.00	5.00
Influence index	38.00	0.00	11.00	4.00	3.84	2.88	0.75	0.41	0.52	-0.12	2.00	6.00

Definitions in alphabetical order: ***COUNT*** *Frequency* ***CV*** *Coefficient of Variation* ***GN*** *Gini Coefficient* ***KT*** *Kurtosis* ***MAX*** *Maximum Value* ***MEAN*** *Mean* ***MEDIAN*** *Median* ***MIN*** *Minimum Value* ***P25*** *25th Percentile* ***P75*** *75th Percentile* ***SD*** *Standard Deviation* ***SK*** *Skewness* ***SUM*** *Sum*