

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

P	IC · KZ · PR · CL · BL · AI · II · POP	75	Y	IC · KZ · BT · BL · AI · POP	42
M	IC · PR · BL · AI · II · POP	42	E	AI · POP	20
i	BT · AI	15	V	CL · POP	15

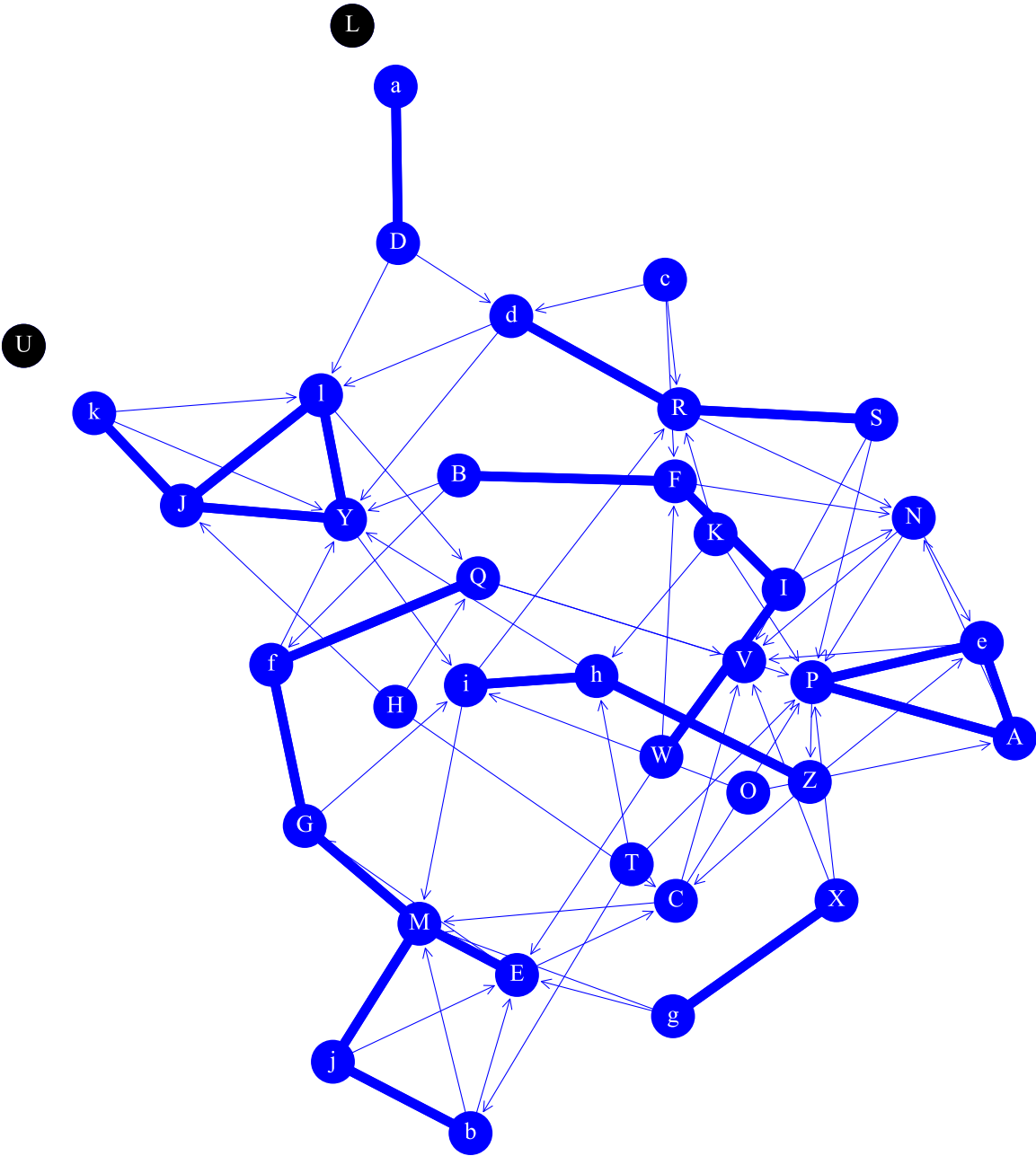
b. Whom would you choose to spend a free outing with?

H	IC · KZ · PR · BT · CL · BL · AI · II · REJ	85	O	IC · KZ · PR · BT · CL · BL · AI · II · REJ	64
c	IM · II	20	T	II · REJ	20

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

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



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

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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	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	

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

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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	

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

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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

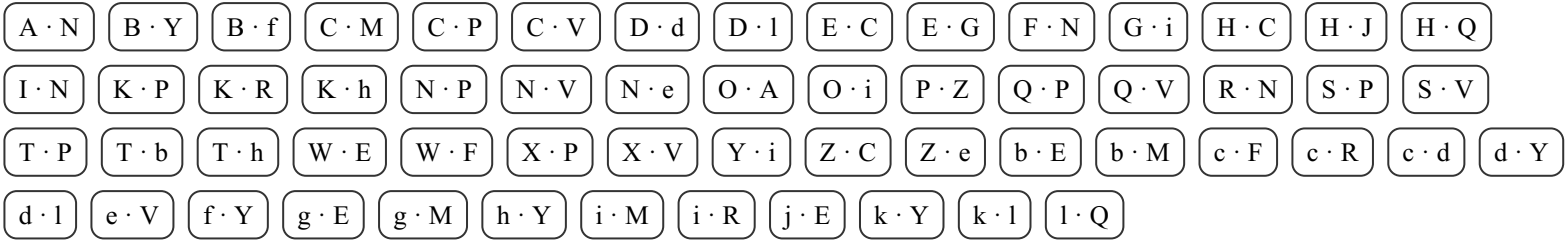
RK Rank IC In-Degree KZ Katz BT Betweenness CL Closeness HU Hub

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

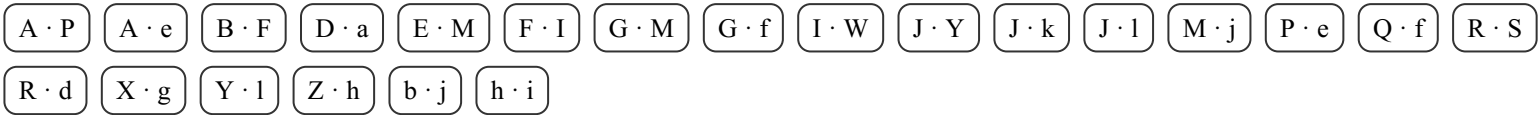
Non reciprocal edges

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



Reciprocal edges

$X \rightarrow Y$ in network A · $Y \rightarrow X$ in network A



Half symmetrical edges

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



Reversed half symmetrical edges

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



Full symmetrical edges

$X \rightarrow Y, Y \rightarrow X$ in network A · $X \rightarrow Y, Y \rightarrow X$ in network B

No edge of this type

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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

J · Y · k · l

E · M · b · j

A · N · P · e

3

F · I · W

F · I · N

D · d · l

Y · d · l

N · V · e

R · c · d

B · Y · f

G · M · i

E · G · M

E · M · g

C · E · M

C · P · Z

P · Z · e

Y · h · i

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

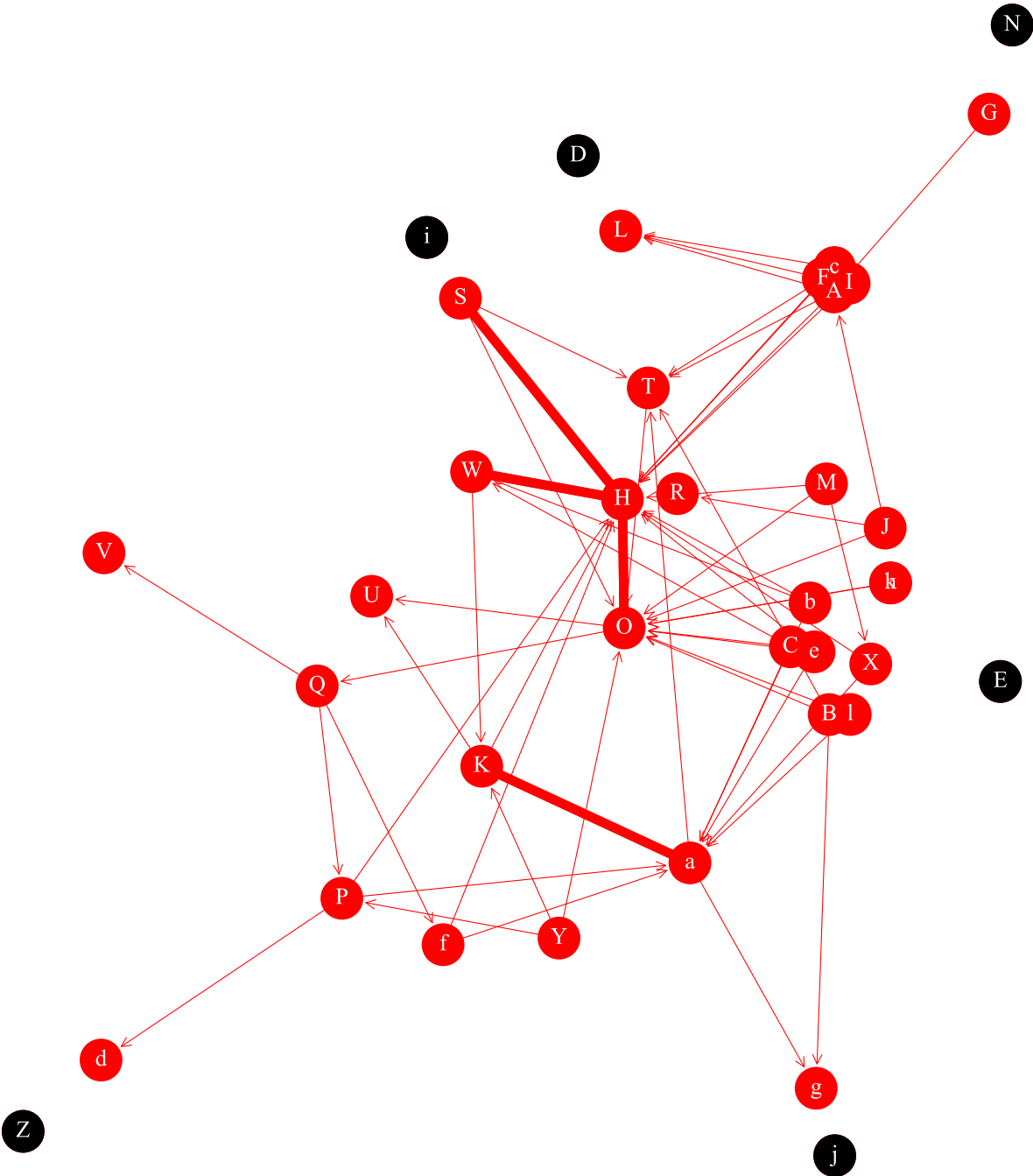
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A · B · C · D · E · F · G · H · I · J · K · M · N · O · P · Q · R · S · T · V · W · X · Y · Z · a · b · c · d · e · f · g · h · i · j · k · l

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

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



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

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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	←

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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	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	←

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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

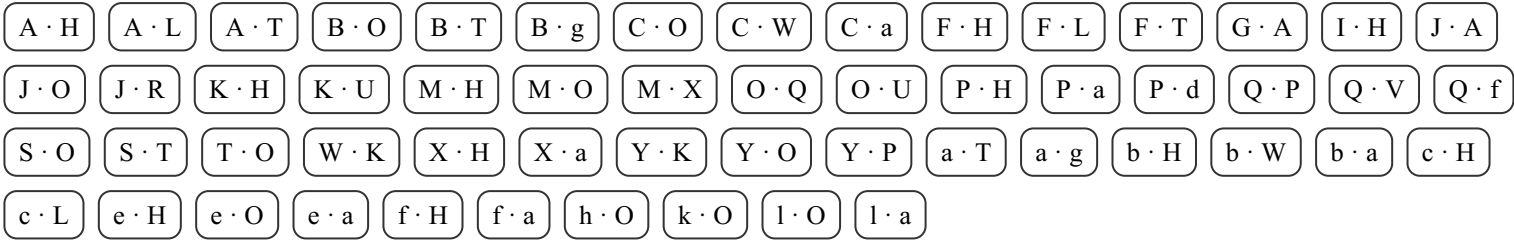
RK Rank IC In-Degree KZ Katz BT Betweenness CL Closeness HU Hub

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

Non reciprocal edges

$X \rightarrow Y$ in network B · not $Y \rightarrow X$ in network B



Reciprocal edges

$X \rightarrow Y$ in network B · $Y \rightarrow X$ in network B



Half symmetrical edges

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



Reversed half symmetrical edges

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



Full symmetrical edges

$X \rightarrow Y, Y \rightarrow X$ in network B · $X \rightarrow Y, Y \rightarrow X$ in network A

No edge of this type

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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 · W · b

H · K · W

H · O · e

H · M · O

H · O · S

H · M · X

B · O · T

O · S · T

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

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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

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

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

NN 38, NE 102, NR 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

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

NN 38, NE 63, NR 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

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 1

SOCIOGRAM | RAW SCORES

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

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 1

SOCIOGRAM | NODES ORDERED BY RANK

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	7
a	12.0	D	11.0	a	13.0	K	10.0	O	7
O	13.0	k	11.0	O	14.0	L	10.0	H	7
H	14.0	c	12.0	H	15.0	O	10.0	a	7

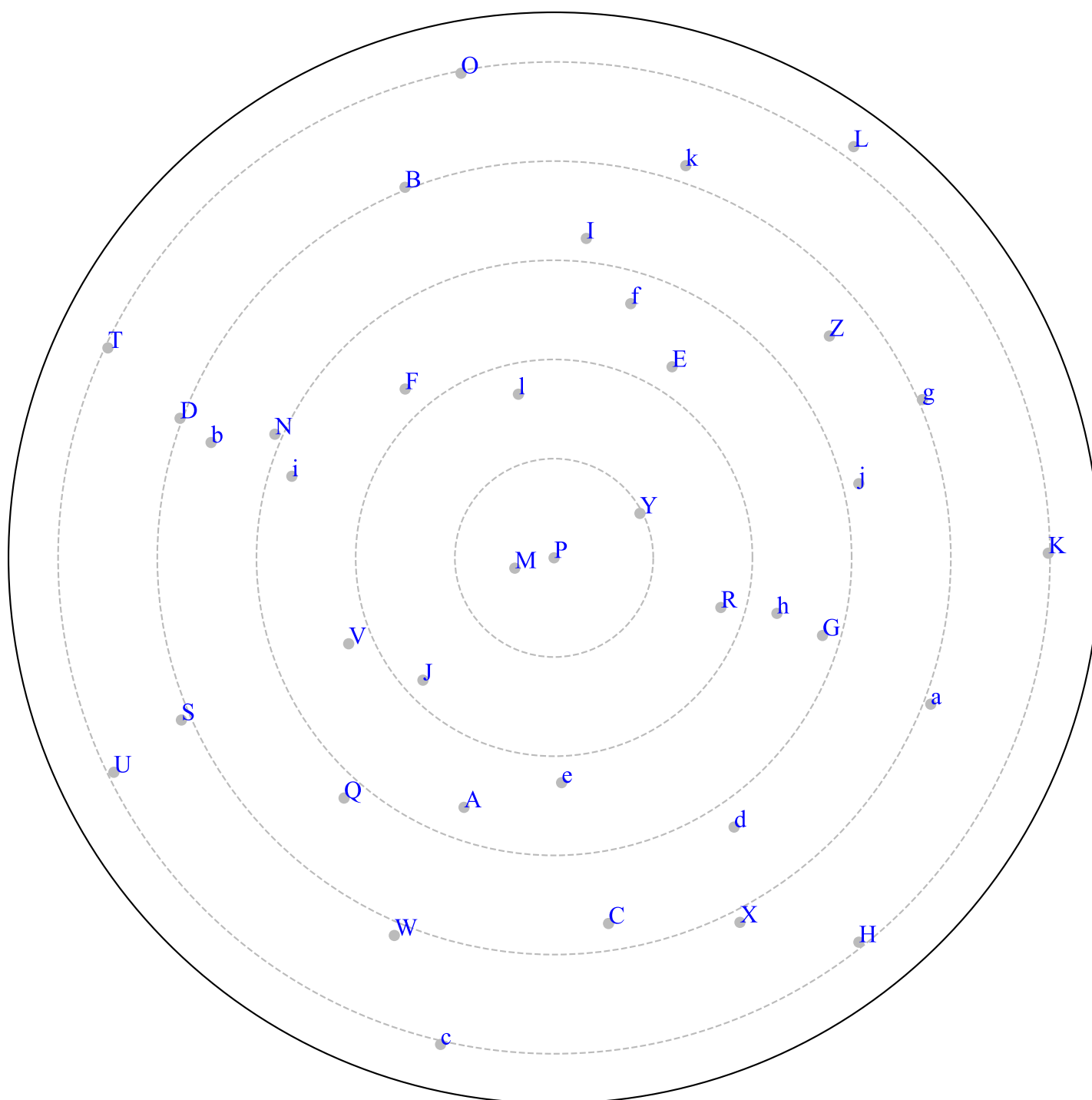
RP Received Preferences RR Received Rejections GP Given Preferences GR Given Rejections BL Balance IM Impact AI Affiliation Index II Influence Index

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DEMO | GROUP 1

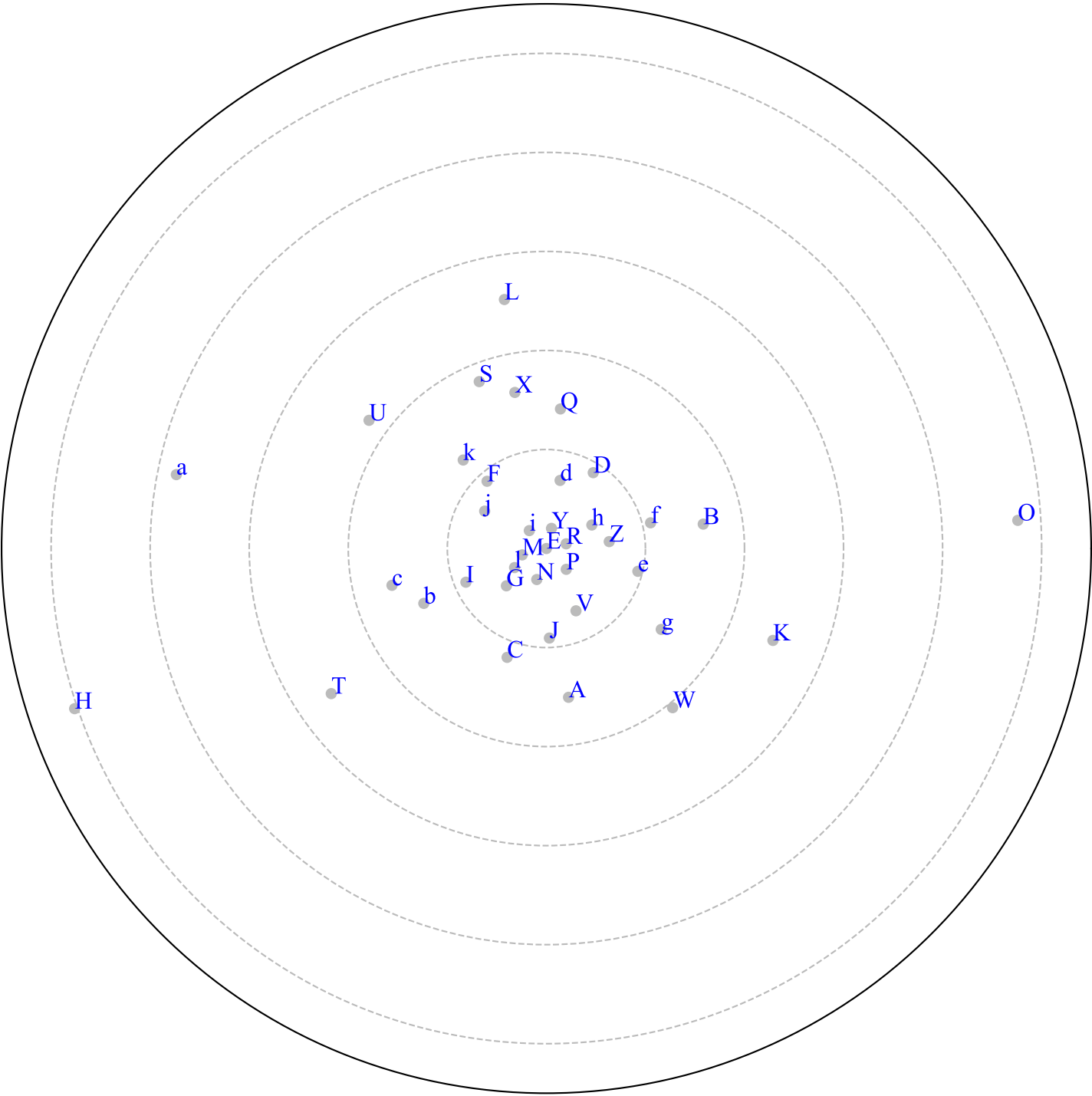
SOCIOGRAM | GRAPH

Influence index



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Affiliation index



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DEMO | GROUP 1

SOCIOGRAM | DESCRIPTIVES

Type I cohesion index : 43.14% Type II cohesion index : 0.58
Type I conflict index : 12.70% Type II conflict 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

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