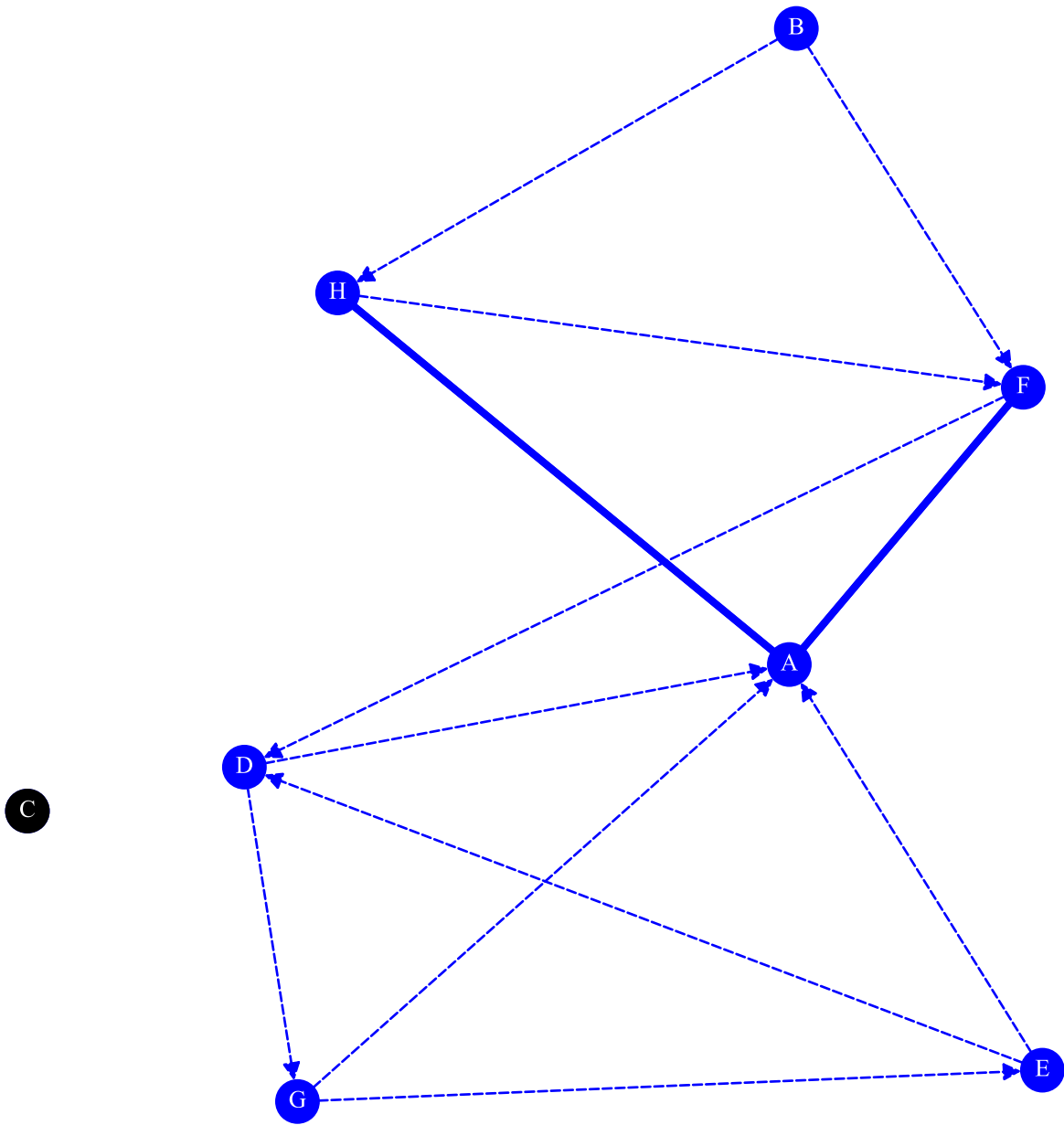


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A. Who would you like in your ideal work group?

NN 8, NE 14, ND 25%, NC 38%, NT 57%, NR 29%



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

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GROUP 1 - DEMO

SNA RAW SCORES

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

| ID | CHOICES | IC   | PR   | BT   | CL   | HU   | ND |
|----|---------|------|------|------|------|------|----|
| A  | F, H    | 0.71 | 0.30 | 0.17 | 0.73 | 0.07 |    |
| B  | F, H    | 0.00 | 0.02 | 0.00 | 0.00 | 0.07 | ←  |
| C  | -       | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | ↔  |
| D  | A, G    | 0.29 | 0.14 | 0.21 | 0.51 | 0.15 |    |
| E  | A, D    | 0.14 | 0.06 | 0.02 | 0.29 | 0.19 |    |
| F  | A, D    | 0.43 | 0.22 | 0.23 | 0.57 | 0.19 |    |
| G  | A, E    | 0.14 | 0.08 | 0.12 | 0.37 | 0.15 |    |
| H  | A, F    | 0.29 | 0.16 | 0.01 | 0.51 | 0.18 |    |

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

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GROUP 1 - DEMO

SNA RANK SCORES

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

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

IC In-Degree PR PageRank BT Betweenness CL Closeness 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 1 - 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    | A  | 1    | A  | 1    | F  | 1    | A  | 1    | E  |
| 2    | F  | 2    | F  | 2    | D  | 2    | F  | 1    | F  |
| 3    | D  | 3    | H  | 3    | A  | 3    | D  | 2    | H  |
| 3    | H  | 4    | D  | 4    | G  | 3    | H  | 3    | D  |
| 4    | E  | 5    | G  | 5    | E  | 4    | G  | 3    | G  |
| 4    | G  | 6    | E  | 6    | H  | 5    | E  | 4    | A  |
| 5    | B  | 7    | B  | 7    | B  | 6    | B  | 4    | B  |
| 5    | C  | 7    | C  | 7    | C  | 6    | C  | 5    | C  |

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



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GROUP 1 - 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 · not  $Y \rightarrow X$  in network A

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

Reciprocal edges

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

- A · F
- A · H

Half symmetrical edges

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

No edge of this type

Reversed half symmetrical edges

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

- D · A

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. Who would you like in your ideal work group?

Strongly Connected Components

Maximal subgraphs where all vertices are mutually reachable.

6

A · D · E · F · G · H

Weakly Connected Components

Maximal subgraphs where any vertices are connected by undirected paths.

7

A · B · D · E · F · G · H

Cliques

Subgraphs that become fully connected when directional edges are ignored.

4

A · D · E · G

3

B · F · H

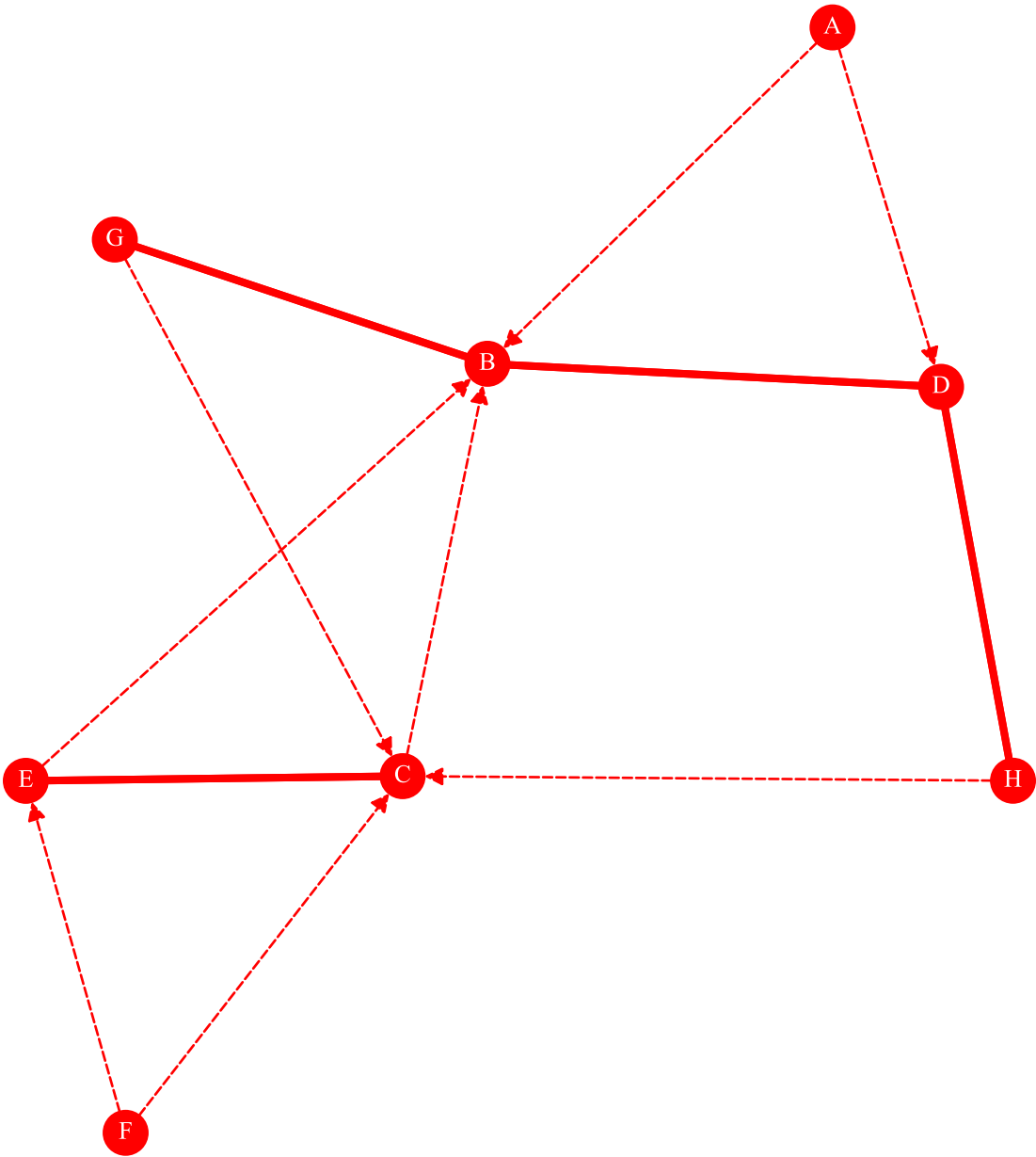
A · D · F

A · F · H

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

NN 8, NE 16, ND 29%, NC 38%, NT 44%, NR 50%



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

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GROUP 1 - 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, D    | 0.00 | 0.02 | 0.00 | 0.00 | 0.14 | ←  |
| B  | D, G    | 0.71 | 0.28 | 0.36 | 0.78 | 0.05 |    |
| C  | B, E    | 0.57 | 0.17 | 0.19 | 0.64 | 0.13 |    |
| D  | B, H    | 0.43 | 0.19 | 0.19 | 0.58 | 0.11 |    |
| E  | B, C    | 0.29 | 0.10 | 0.05 | 0.44 | 0.17 |    |
| F  | C, E    | 0.00 | 0.02 | 0.00 | 0.00 | 0.11 | ←  |
| G  | B, C    | 0.14 | 0.14 | 0.07 | 0.47 | 0.17 |    |
| H  | C, D    | 0.14 | 0.10 | 0.07 | 0.39 | 0.12 |    |

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



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GROUP 1 - 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, D    | 6  | 7  | 5  | 7  | 2  | ←  |
| B  | D, G    | 1  | 1  | 1  | 1  | 7  |    |
| C  | B, E    | 2  | 3  | 2  | 2  | 3  |    |
| D  | B, H    | 3  | 2  | 2  | 3  | 5  |    |
| E  | B, C    | 4  | 5  | 4  | 5  | 1  |    |
| F  | C, E    | 6  | 7  | 5  | 7  | 6  | ←  |
| G  | B, C    | 5  | 4  | 3  | 4  | 1  |    |
| H  | C, D    | 5  | 6  | 3  | 6  | 4  |    |

IC In-Degree PR PageRank BT Betweenness CL Closeness 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 1 - 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    | B  | 1    | B  | 1    | B  | 1    | B  | 1    | E  |
| 2    | C  | 2    | D  | 2    | C  | 2    | C  | 1    | G  |
| 3    | D  | 3    | C  | 2    | D  | 3    | D  | 2    | A  |
| 4    | E  | 4    | G  | 3    | G  | 4    | G  | 3    | C  |
| 5    | G  | 5    | E  | 3    | H  | 5    | E  | 4    | H  |
| 5    | H  | 6    | H  | 4    | E  | 6    | H  | 5    | D  |
| 6    | A  | 7    | A  | 5    | A  | 7    | A  | 6    | F  |
| 6    | F  | 7    | F  | 5    | F  | 7    | F  | 7    | B  |

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

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

Non reciprocal edges

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

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

Reciprocal edges

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

- B · D
- B · G
- C · E
- D · H

Half symmetrical edges

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

No edge of this type

Reversed half symmetrical edges

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

- A · D

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

Strongly Connected Components

Maximal subgraphs where all vertices are mutually reachable.

6

B · C · D · E · 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

C · E · F

B · C · G

B · C · E

A · B · D