

Paths

In the following section we will ask you questions about paths in the graph. If you are unclear about any terms or concepts discussed, feel free to ask for clarification at any point.

* Indicates required question

1. Participant ID *

Paths - Training

A path between two nodes A and B refers to the sequence of nodes connected by edges between nodes A and B.

If you are ready, please ask the conductor for the training task for the concept of **paths**.

After the training task was successful, the timer will start and the actual task can begin.

Paths - Start

The amount of connections in our animal contact network can play an important role in both **social structure** analysis, as well as **disease prevention**.

A spreading infection in the contact network may steadily infect animals along connected paths.

When a given animal is ill, until a specific other animal is infected other animals might be infected on the path between them.

For the next task, you are to determine the **shortest path** between two nodes.

Reminder: an **interaction is modeled as an edge** in our network.

3. *

Tick all that apply.

☐ Timer started.

Paths - Task

Determine the shortest path between the given pair of animals.

4. Which animals lie on the **shortest** path between **Siena** and **Kaia**? *

Tick all that apply.

- ☐ Cairo
- ☐ Cohen
- ☐ Della
- ☐ Erik
- ☐ Hazel
- ☐ John
- ☐ Kade
- ☐ Kaia
- ☐ Kylo
- ☐ Naya
- ☐ Odin
- ☐ Otis
- ☐ Rhett
- ☐ Selah
- ☐ Siena
- ☐ Zoey

5. Which animals lie on the **shortest** path between **Della** and **Selah**? *

Tick all that apply.

- ☐ Cairo
- ☐ Cohen
- ☐ Della
- ☐ Erik
- ☐ Hazel
- ☐ John
- ☐ Kade
- ☐ Kaia
- ☐ Kylo
- ☐ Naya
- ☐ Odin
- ☐ Otis
- ☐ Rhett
- ☐ Selah
- ☐ Siena
- ☐ Zoey

Final Thoughts

9. Please share any thoughts about the task here. *

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