

Adjacency

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

* Indicates required question

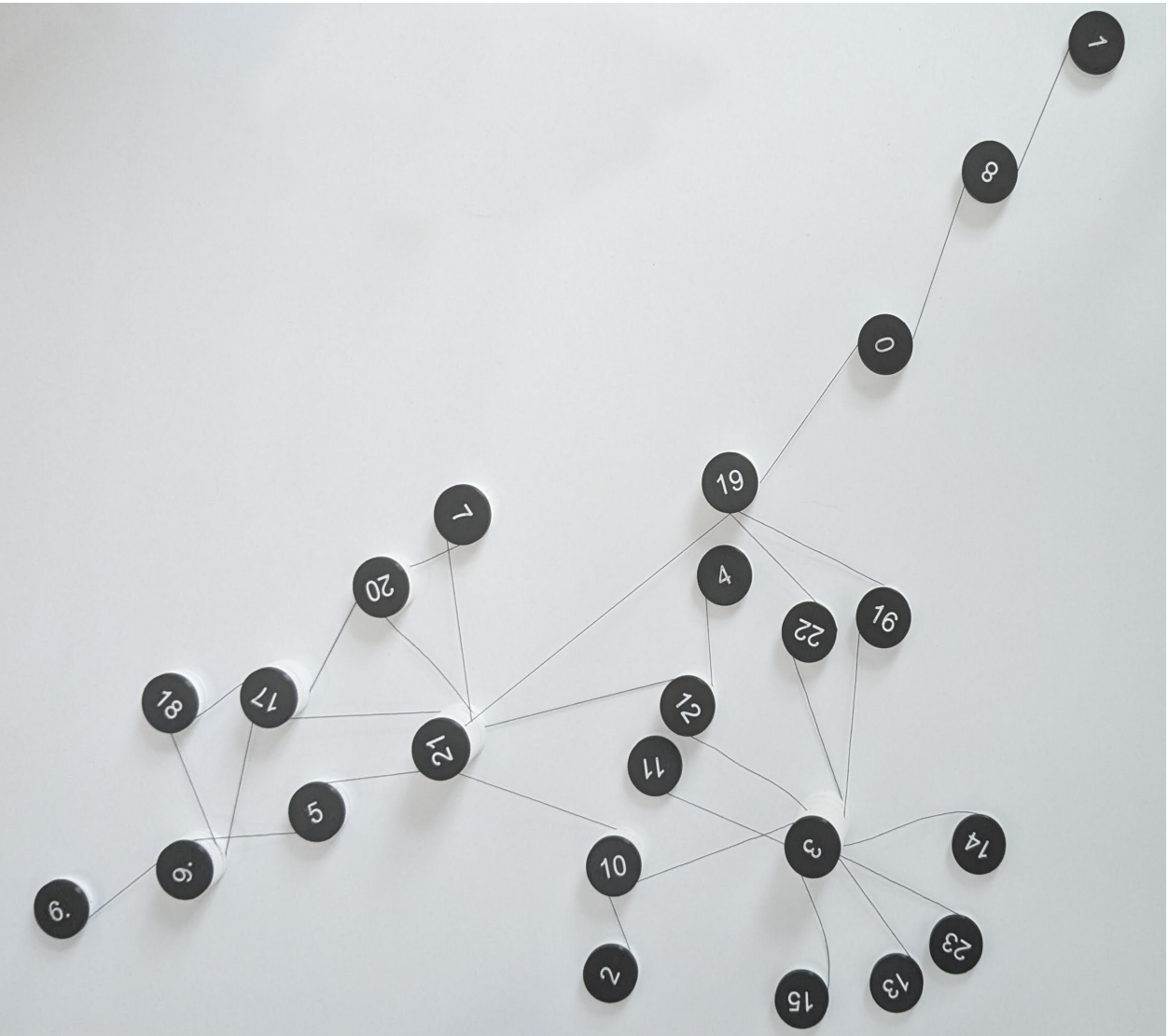
1. Participant ID *

Node Degree - Training

The **degree of a node** is the amount of edges connected to it.

If you are ready, please ask the conductor for the training task for the concept for **node degree**.

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



2. Select the node(s) with the highest and the node(s) with the lowest degree. *

Tick all that apply.

- ☐ 3
- ☐ 6
- ☐ 10
- ☐ 15
- ☐ 18
- ☐ 19
- ☐ 21

Node Degree - 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**. Animals with many contacts could be more central to the hierarchy, or have a higher risk of infection. Conversely, animals with few contacts might be less important in the social structure.

The number of **connections** an animal has corresponds to the **node degree**.

3. *

Tick all that apply.

☐ Timer started.

Node Degree - Task

4. Which animal(s) has(have) the **highest** number of interactions?

Tick all that apply.

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

5. What is the **highest** number of interactions in the network? *

6. Which animal(s) has(have) the **lowest** number of interactions?

Tick all that apply.

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

7. What is the **lowest** number of interactions in the network? *

8. Time taken *

9. How difficult did you find this task? *

Mark only one oval.

	1	2	3	4	5	6	7	8	9	10	
Low	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	High

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

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