

Agenda for “Data Detectives 1”, for children aged 7-9 (1.5h)

Warm-Up Part 1	<p>Group Activity: Ask the group to cluster together according to the following questions:</p> <ul style="list-style-type: none"> • What have you eaten for breakfast today? • How do you usually get to school? <p>Then take a photo / photos of the groups and add it / them to the slides for after the next segment.</p>	10 min
Data	Theoretical Input: Introduction to data and how to visualize data, based on the slides. Encourage interaction with participants by asking questions, and let them share their knowledge.	10 min
Warm-Up Part 2	<p>Group Activity: Show the previously taken photo(s) to the group. Ask them if the different groups are easily distinguishable (works best if they are not). Then ask for ideas how to improve that. Finally, ask to form rows based on the same questions as before:</p> <ul style="list-style-type: none"> • What have you eaten for breakfast today? • How do you usually get to school? <p>Then take a photo / photos of the groups and add it / them to the slides for after the break.</p>	5 min
Break	Short break after the first theoretical part. Towards end of break show the previously taken photo(s) to the group. Explain how the rows are easier to compare / interpret than unordered clusters and relate to bar charts.	5 min
Climate Change	Theoretical Input: Introduction to climate change, based on the slides. Encourage interaction with participants by asking questions, and let them share their knowledge.	10 min
Introduction Detectives	Briefly introduce the idea of this workshop being part of a „data detectives course“. Hand out the “data detective ID cards”. This also serves as a short break, as no real “content” is taught.	5 min
Climate Change	Theoretical Input: Continue introduction to climate change, based on the slides. Encourage interaction with participants by asking questions, and let them share their knowledge.	5 min
Detective Cases	Hands-On Projects: Split up the group in three smaller groups. The groups rotate through the three provided projects (see separate material). Each group should be	30 min (10/10/10)

	supervised by one instructor, and all children should be encouraged to participate, as they solve the case. The projects can be adapted to participants' age (e.g., more data physicalization for younger participants).	
Wrap-Up	Discuss how climate change is the villain in all cases. To end on a positive note, collect ideas on what participants could do to mitigate climate change (e.g., public transportation, plant-based diet, reduce packaging and other waste, save energy).	10 min

Slides: Data-Detectives_Slides_German.pptx, up until slide 19

Data Detective ID inside (cover removed due to logo copyright issues):

Name	Das habe ich heute gelernt:
<input type="text"/>	<input type="text"/>
Alter	
<input type="text"/>	
Was hat mein Leben mit dem Klimawandel zu tun?	
<input type="text"/>	

Translation:

Name	Name
Alter	Age
Was hat mein Leben mit dem Klimawandel zu tun?	What does my life have to do with climate change?
Das habe ich heute gelernt:	That's what I learned today:

Projects:

- Recipes – Colored Paper
- Transportation – Lego
- Packaging – Cloud Drawings