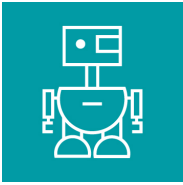


QUALITATIVE DATA ANALYSIS IN DESIGN RESEARCH:

Thematic Analysis of SySTEM 2020 research data

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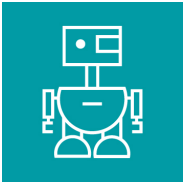
1. About SySTEM 2020

Research and innovation project aiming to promote science learning outside the classroom at European level.

Aims

- Gain understanding on science education **informal contexts**.
- Identify **challenges** for the **inclusion and active participation** of **underrepresented groups** in science education (women and girls, refugees, migrants, people with physical and/or cognitive disabilities...)





1. About SySTEM 2020

Focus areas

PARTICIPANTS

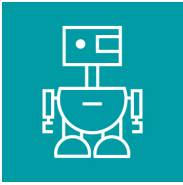
- Demographics, who attends these type of events/activities?
- Is there diversity among participants attending?
- How they behave (active, lurking...)?

ACTIVITIES

- What type of activities are present in the Festival?
- What type of equipment and resources are needed?
- What type of participants engage in the activities?
- Are the activities accessible and inclusive?

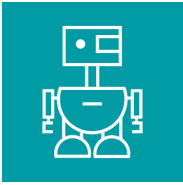
ENVIRONMENTS

- How are the spaces?
- What type of resources are available?
- How accessible are the spaces?
- How intuitive are the spaces?



2. Analysis of SySTEM 2020 research data

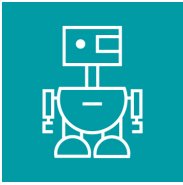
1. Download and open atlas.ti.
2. Make groups. Set up the project for teamwork.
3. Check the data, get familiar.
4. Define a broad research question with your group. Define the sample of data you are going to analyse. Define the area you are going to focus.
5. Each member of the group codes the data based on what they see.
6. After each member has familiarised with the data, you prepare the coding scheme with your group.
7. Each member goes through the data and codes the documents based on the coding scheme they have elaborated.



2. Analysis of SySTEM 2020 research data

8. Share and discuss your codes with your group. Identify disagreements and re-code by consensus.

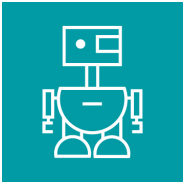
9. Interpret your results. Prepare conclusions and get ready to share them with the whole class.



3. Schedule

Tuesday 29.01

- Presentation of a research case using thematic analysis.
- Participants make groups, select the dataset and define the data sample. They set the team workspace.
- Each group member familiarises with the sample. Sharing initial insights and elaboration of the coding scheme.
- Each group member codes the selected data sample based on the coding scheme.



3. Schedule

Wednesday 30.01

- Instructions for merging coded documents by different coders.
- Groups merge their documents and discuss disagreements. They re-code disagreements by consensus.
- Interpretation of the coding.
- Sharing results and group discussion.

Help?

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