

WORKSHOP AIM & INFORMATION

The aim of this workshop is finding visualization solutions in a user-oriented way.

What is visualization? What is the point we want to reach with this workshop?

Data visualization is the expression of data using a visual language. It makes it easier to understand the data. It allows to see patterns, trends and relationships. In this workshop, we will discuss how to design a data visualization tool for the purpose of the project.

How will our discussion be? What is the structure of the workshop?

Our discussion will focus on specific issues, one at a time. Since we have limited time, we'll discuss, identify important points and move on to the next topic.

What tools do we use?

Post-it: In order to make discussions visible, we will write down every point we discuss on post-its. We will use keywords instead of whole sentences, and write only one idea to a post-it.

Boardmarker: We'll use boardmarkers to make post-its visible when photographed from a distance.

Cards and Sheets: We'll use cards and sheets for quick idea generation and prioritization.

How long it will take?

The workshop can last between 2-5 hours, depending on the discussions. We can take a break at any point.

PROCESS OVERVIEW

1

**USER
& GOAL**



We'll start by discussing the user and their objectives.

2

**QUESTIONS
& TASKS**



Then we will find the questions these users can ask to data.

3

DATA



We'll discuss which data types we have are related to these questions, and what else we need.

4

VISUALIZATION



We'll decide how to visualize the data types we find important at different levels of detail.

USER & GOAL

1. GENERATE USERS

If we had a data visualization tool to realize the objectives of the project,

Who could be the user?
Who could use such a tool?

- ☐ Write your answers in keywords on post-its.
- ☐ Gather them on a table or wall.

2. PRIORITIZE USERS

Who are the main / secondary users we want to focus on?

- ☐ Put tokens near the items you want to prioritize.

3. GENERATE GOALS

What can these users use the site for?

- ☐ Write your answers in keywords on post-its.
- ☐ Gather them near the prioritized users.

4. PRIORITIZE GOALS

What are the primary and secondary objectives we want to focus on?

- ☐ Put tokens near the items you want to prioritize.

QUESTIONS & TASKS

1. GENERATE QUESTIONS

In relation with the prioritized purposes, what questions does the user wants to ask, that the data can answer?

Question format:
What/Where/When/Who are the biggest/smallest/most/least/average ?

Examples:
- What is the biggest value of something between 2000 - 2010?
- Where were the most important items in this category located?

- ☐ Write questions in on post-its.
- ☐ Gather them close to the prioritized goals.

2. PRIORITIZE QUESTIONS

Which of these questions would important/interesting/relevant for the types of users and goals we identified?

- ☐ Put tokens on the questions you want to prioritize.

DATA

1. FIND DATA TYPES

To answer prioritized questions, what type of data do we need?

- ☐ Write your answers in keywords on post-its.
- ☐ Gather them near the prioritized questions.

2. IDENTIFY LINKS

What are the connections between the prioritized questions and our data?

- ☐ Browse the existing data.
- ☐ Find links between prioritized questions and existing data.

VISUALIZATION

1. FIND VISUALIZATION IDEAS

Which data visualization methods would be well-suited to answer prioritized questions?

- ☐ Propose visualization ideas.

2. DISCUSS VISUALIZATION IDEAS

- ☐ Discuss the ideas and put tokens to give feedback.