

## **Group Work- Thursday**

### **Summary**

In this activity, participants will split into small groups and discuss examples of using data in the form of documents, texts, and archives to explore a research theme or question.

### **Learning objectives:**

- Participants will learn to translate research themes into data-driven questions and brainstorm natural language processing (NLP) and large language model (LLM) applications for textual analysis.

### **Activity:**

1. Let's form groups of 3 to 4 people.
2. Brainstorm themes of common interest and, ideally, a Research Question. Choose one!
3. Imagine having access to a dataset that responds to research on a specific theme or research question. How is the dataset? What would the data look like in tabular form? What are some rows, what are some columns? If you can draw it or type on the computer.
4. Leveraging NLP capabilities of an ML model—whether it involves content generation, question answering, sentiment analysis, text generation, or text summarization- discuss how a model could assist your processing or analysis of this dataset?
5. What concerns could arise from using this approach? How would you validate it?
6. Can you use snippets of the code in the tutorial to achieve this goal? What changes would you need to make or extend?
7. Let's share as a group.