

# Have large-language models (LLMs) made previous AI tools obsolete?

AIRE'24 Joint Activity

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aire-ws/**aire24-activity**

Public

# Goal

## Pre-LLM era

Conscious, specific design



Manual data curation and training



Decent results, but rarely  
any adoption



## LLM era



Out-of-the-box usability



Requiring a few examples



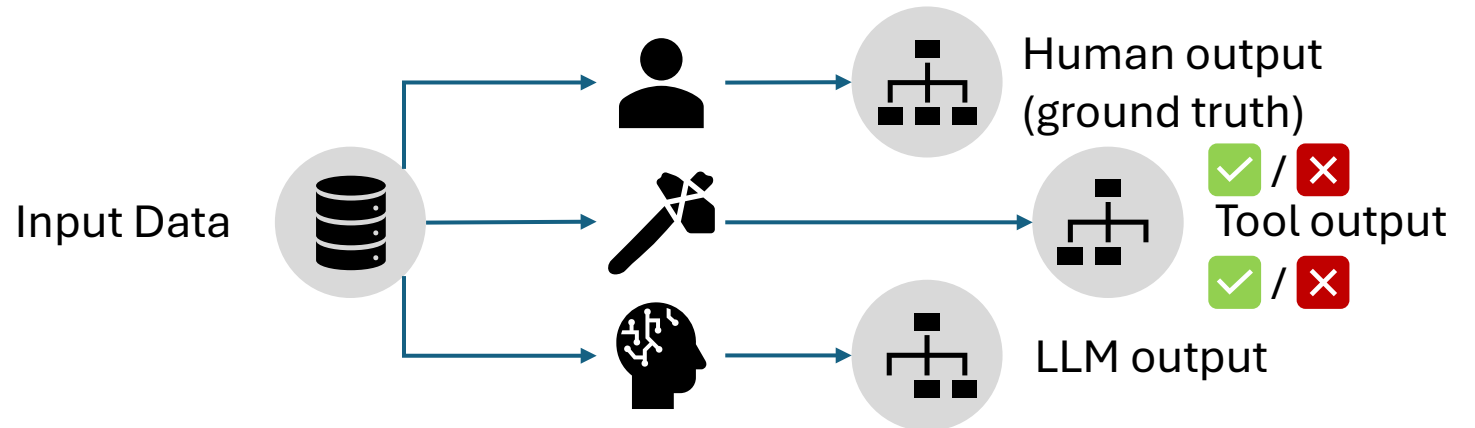
Better/worse performance?

→ Have large-language models made previous AI tools **obsolete**?

# Method Overview

1. **Select a study** that presents an AI-powered tool performing an RE task (e.g., from the [AIRE](#) or [NLP4RE](#) workshops)

2. **Select data** from the evaluation of that tool



3. **Engineer a prompt** for the LLM of your choice that performs the same task

4. **Reflect** on the strengths and weaknesses of the LLM

Finally, we discuss the results

# Preconditions

Minimum preconditions:

1. Access to an **LLM/GenAI** (e.g., [ChatGPT](#)) of your choice

Optional preconditions:

2. Account at [GitHub](#) for accessing the material
3. Working local [git](#) **setup** to store your solution

# Material available on GitHub

The screenshot shows the GitHub interface for the repository `aire-ws/aire24-activity`, which is public. The repository is owned by `aire24-activity`. It has 1 branch (main), 0 tags, and 5 commits. The last commit by JulianFrattini was yesterday. The repository contains files: `studies/aire-23-frattini`, `.gitignore`, `LICENSE`, and `README.md`. The `README.md` file is selected, showing the title **AIRE'24 Joint Activity** and the MIT license. The description states that the repository contains material for the joint activity during the Eleventh International Workshop on Artificial Intelligence and Requirements Engineering (AIRE'24) co-located with the 32nd Requirements Engineering (RE) Conference in Iceland. The right sidebar shows the repository's statistics: 0 stars, 7 watching, and 0 forks. It also includes links to the repository's website, a link to the workshop materials, and sections for Releases and Packages.

**aire-ws/aire24-activity** Public

1c6167a · yesterday 5 Commits

main 1 Branch 0 Tags

Go to file Add file <> Code

**About**

Material for the Joint Activity during the AIRE'24 Workshop

[aire-ws.github.io/aire24/](https://aire-ws.github.io/aire24/)

[workshop-materials](#)

Readme MIT license Activity Custom properties 0 stars 7 watching 0 forks Report repository

**Releases**

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**AIRE'24 Joint Activity**

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This repository contains the material for the joint activity during the [Eleventh International Workshop on Artificial Intelligence and Requirements Engineering \(AIRE'24\)](#) (co-located with the [32nd Requirements Engineering \(RE\) Conference](#) in Iceland).

**Activity Description**

The purpose of the activity is to investigate the following hypothesis:

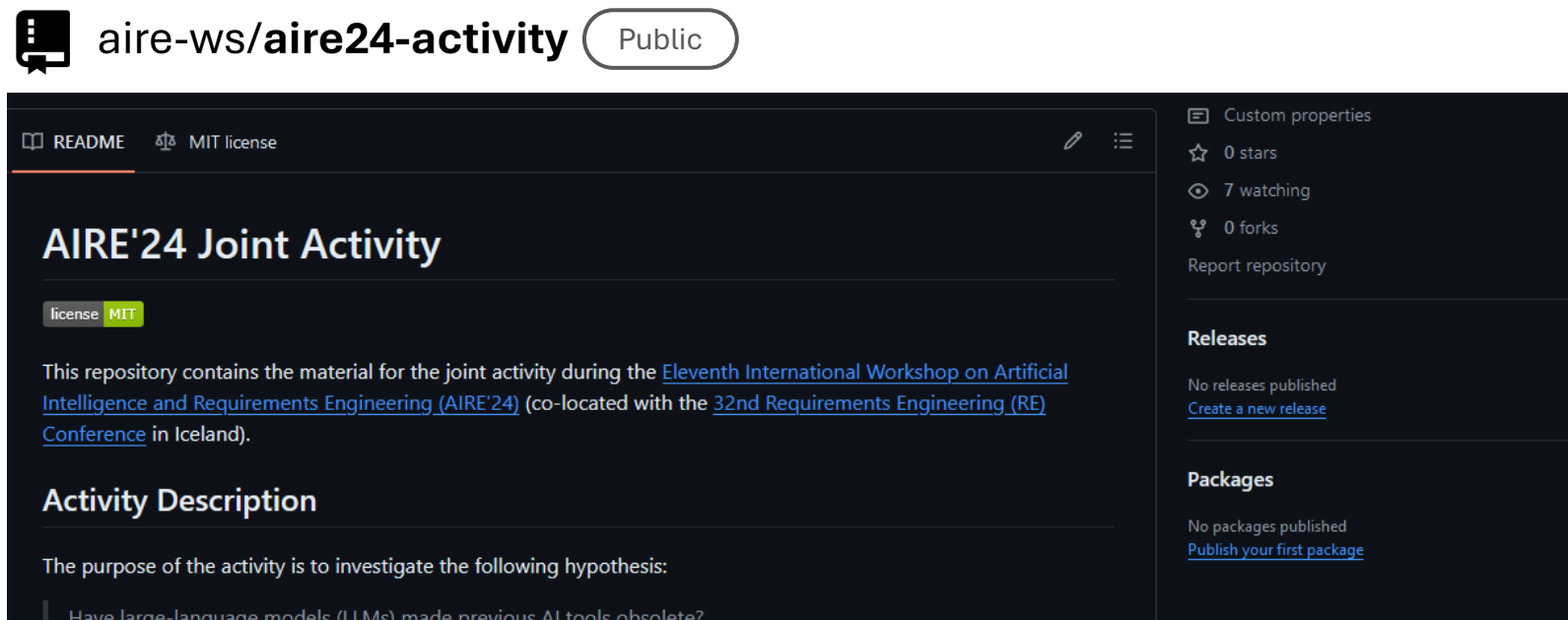
# Process

1. **Fork** the repository <https://github.com/aire-ws/aire24-activity>
2. **Select a study** presenting a tool
  1. When selecting an unfamiliar, prepared tool from the repository: **read the summary** of its use case in the respective *README.md* file.
  2. When selecting an own tool: **copy** the *template/* directory under *studies/* and name it after your study
3. **Select an LLM** and enter the name and version to the *activity-report.md*
4. **Develop a prompt** that performs the tool's task with the input data in the *data.md* file
5. **Report your prompt** in the *activity-report.md*

# Execute

Perform the task by following the steps (1) Select a study, (2) select data, (3) engineer a prompt, and (4) reflect.

The public material on GitHub also contains the activity description in more detail.



# Discussion

Have large-language models made previous AI tools obsolete?

- What were the strengths of the LLM?
- What were the weaknesses of the LLM?



# Thank you for your participation

We welcome constructive feedback



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