

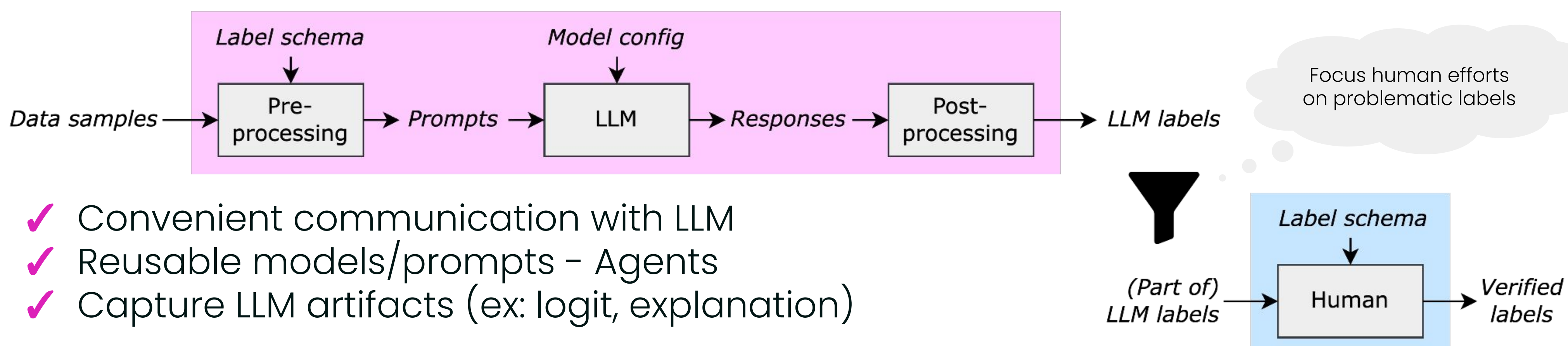
MEGAnno+

A Human-LLM Collaborative Annotation System

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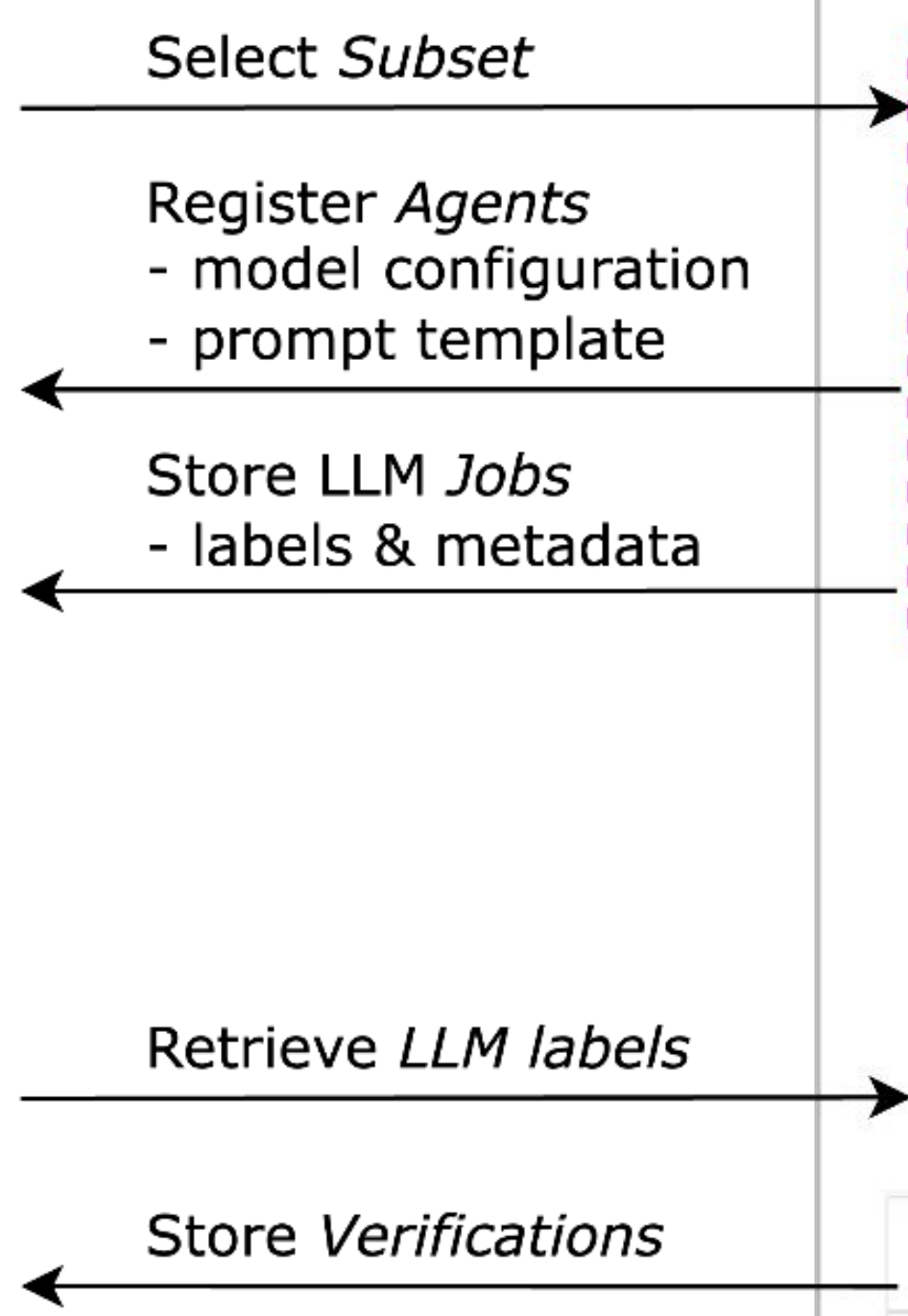
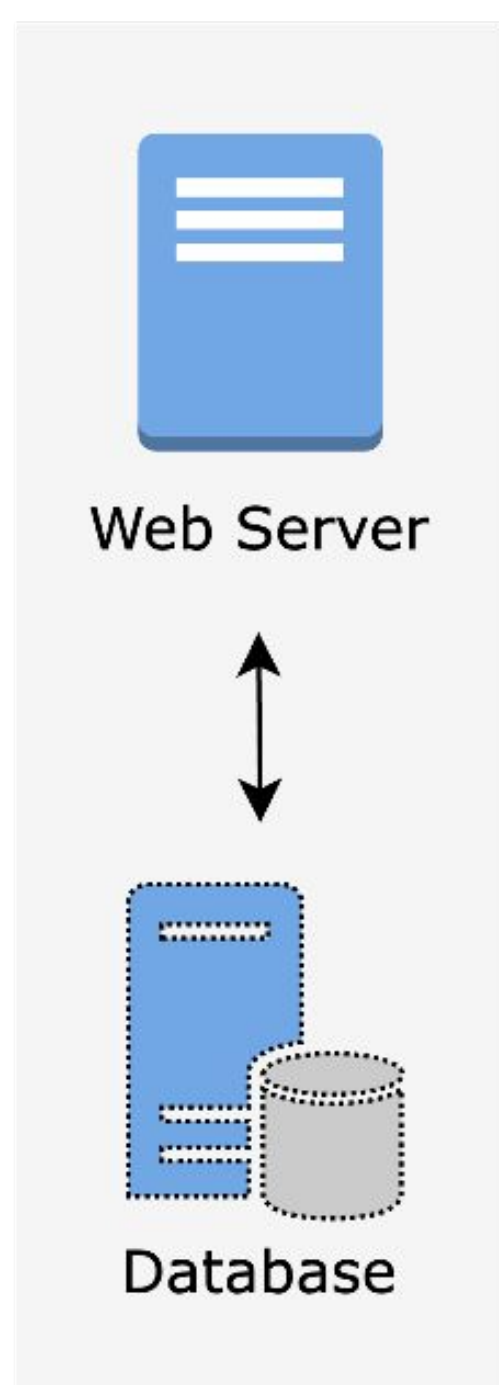


Workflow: LLM annotation → Human verification



System Overview

MEGAnno+ Service



```
In [1]: from meganno import Service
service = Service()
service.import_data_df(<df>)
service.set_schema(<label_schema>)

In [2]: from meganno import Controller, PromptTemplate
controller = Controller(service)

model_config = {'model': 'davinci'}
template = PromptTemplate(<label_schema>)
agent = controller.create_agent(model_config, template)

subset = service.search()
job = controller.run_job(agent, subset)

In [3]: verf_subset = service.search(
label_metadata_condition={
"name": "conf_score",
"operator": ">",
"value": 0.9
},
job_id=<job-id>)
verf_subset.show({'mode': 'v
```

MEGAnno+ Client

LLM Controller

Prompts → External LLM APIs (OpenAI logo)
Responses ←

Verification

	data	natural la...	c...
1	<input type="checkbox"/>	Premise: The rate of return on investment is not very high, and the	
2	<input type="checkbox"/>	Premise: The river rises in the mountains south of Jeddah. Hypoth	
3	<input type="checkbox"/>	Premise: To encourage continued improvement in the level of publi	
4	<input type="checkbox"/>	Premise: This, he knew, was not the end. Hypothesis: He knew tha	
5	<input type="checkbox"/>	Premise: In fact, in a study of female sexuality, a professor found t	not 0.96161
6	<input type="checkbox"/>	Premise: The well-known maxim that the only way to make a small	ent 0.98155
7	<input type="checkbox"/>	Premise: The boughs of the pine trees were dark with birds, but th	ent 0.98606

- ✓ Select verification candidates by query or recommendation
- ✓ Explore labels and metadata programmatically and in UI

Try our demo!

meganno.github.io/#eacl-2024

✓ Customizable prompt template

Task Inst: Label the (name) of the following text as (options).

Formatting: Your answer should be in the following format '{format_sample}'.

Input: Megagon Labs is located in Mountain View.

Preview Prompt Save Prompt

Generated prompt: Label the sentiment of the following text as very_positive, somewhat_positive, neutral, somewhat_negative or very_negative. Your answer should be in the following format 'Sentiment: <sentiment>'.

Text: [sample input]

✓ Robust postprocessing of LLM responses

- Hypothesis: the dog is **✗** garbage generation
- Label is neutral **✗** wrong format
- Label: Entailment **✓** correct format, label
- Label: 'entailment' **✓** quotation handled
- Label: contradiction. **✓** entailing period handled