

Machine Translation Evaluation on Lumigator

Mozilla.ai

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Mozilla.ai is a start-up funded by the Mozilla Foundation

We're on a mission to make AI trustworthy, accessible, and open-source.

Drawing on Mozilla's legacy of advocating for a free and open web, Mozilla.ai build tools for developers to integrate, innovate, and collaborate on responsible AI solutions.

Lumigator is a **platform** that **guides** users through the process of selecting the right language model for their **specific** needs.

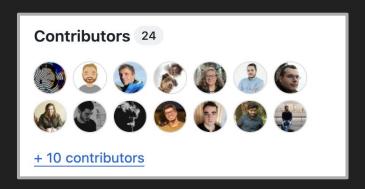
Built for users who:

- code
- work with AI and LLMs
- ... but are not necessarily publishing on NeurIPS!
- need to choose LLMs and spend as little time as possible

Lumigator is open-source:

https://github.com/mozilla-ai/lumigator





The Challenge: with little time and so many models available, AI developers feel lost on how to evaluate and choose the best model for their task

Lumigator makes model evaluation easier!

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Key Features

- Infrastructure agnostic (local/cluster/cloud)
- Relying on existing tools / standards for interoperability
- API + Python SDK + UI
- Extensible: by the community for the community
- Support Eval Use Cases: Summarization and **Translation**

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Translation Evaluation on Lumigator

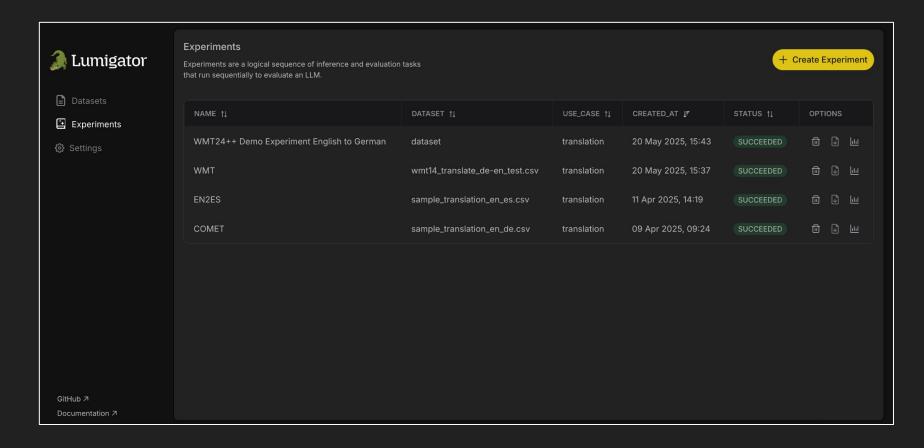
Models

- LLM API-based models
- Self/locally-hosted LLMs via Ollama, Llamafile or vLLM
- Supported models from HuggingFace Model Hub

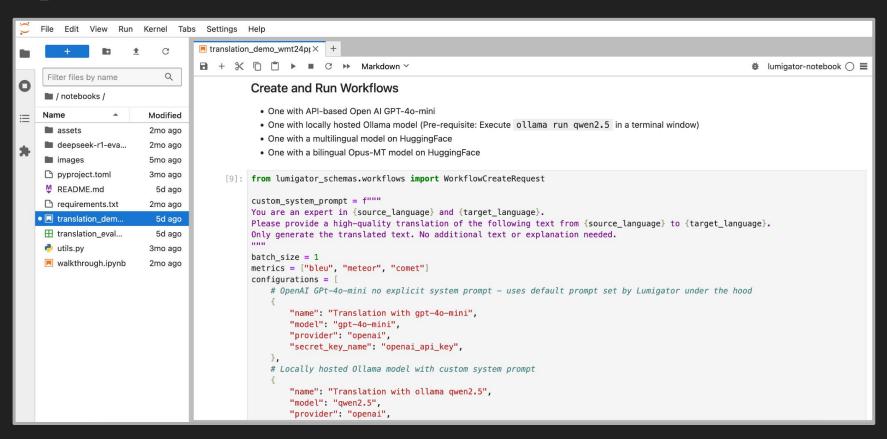
Metrics

- BLEU
- METEOR
- COMET
- LLM-as-a-judge

Web UI



Python SDK



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Demo Time!

Other Projects from Mozilla AI's



https://blueprints.mozilla.ai/

Customizable workflows that help developers prototype AI applications using open-source tools and models



any-agent: Python library providing a single interface to different agent frameworks (OpenAI, Langchain, Google ADK and more)

https://github.com/mozilla-ai/any-agent

Thank you!

Wanna know more?

- Code
- <u>Documentation</u>
- Demo Notebook

