

# Towards User-Owned AI

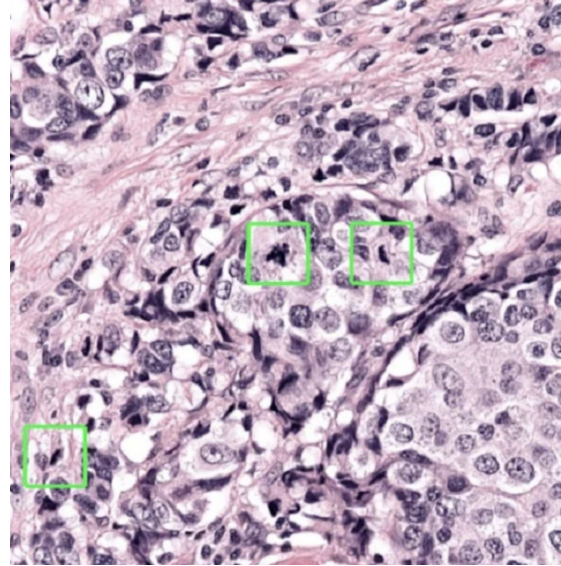
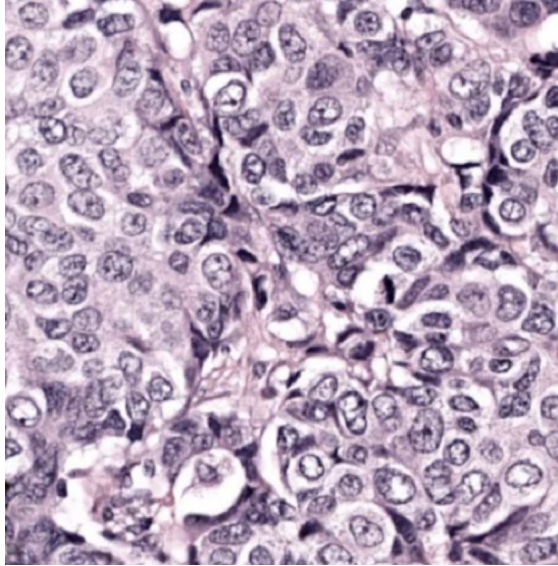
Pierre Le Guen, NEAR AI

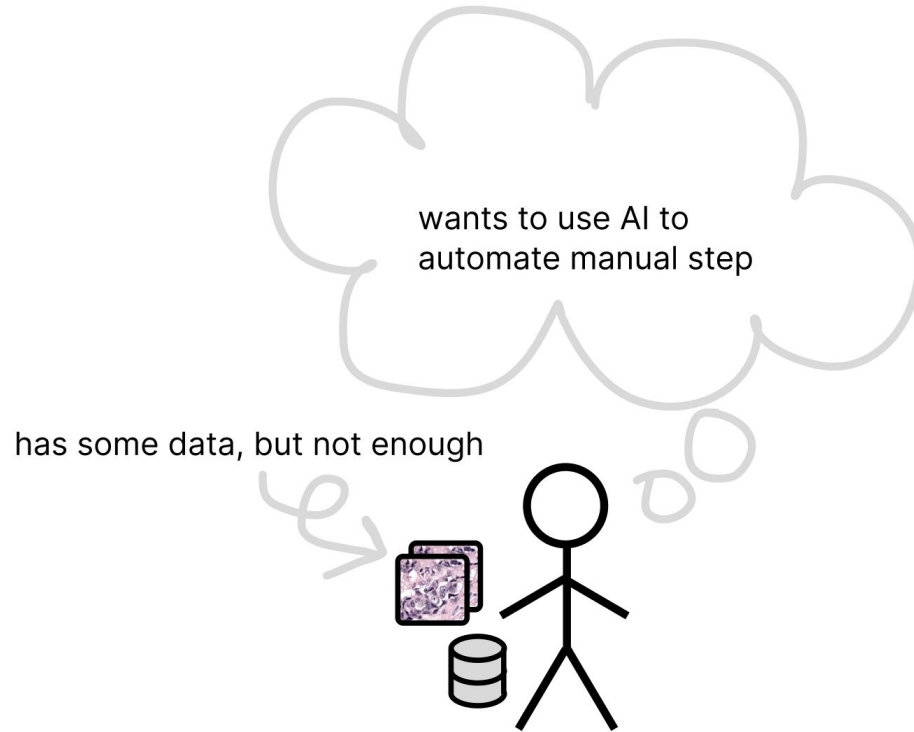
AI Agents Summit  
June 19, 2025

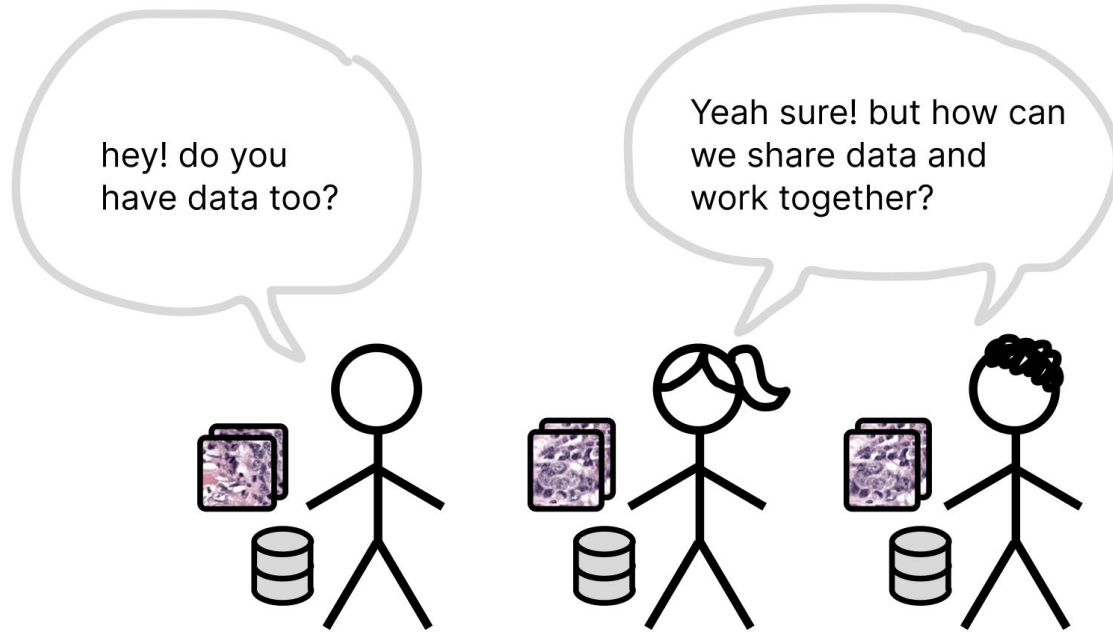
# Why It Matters

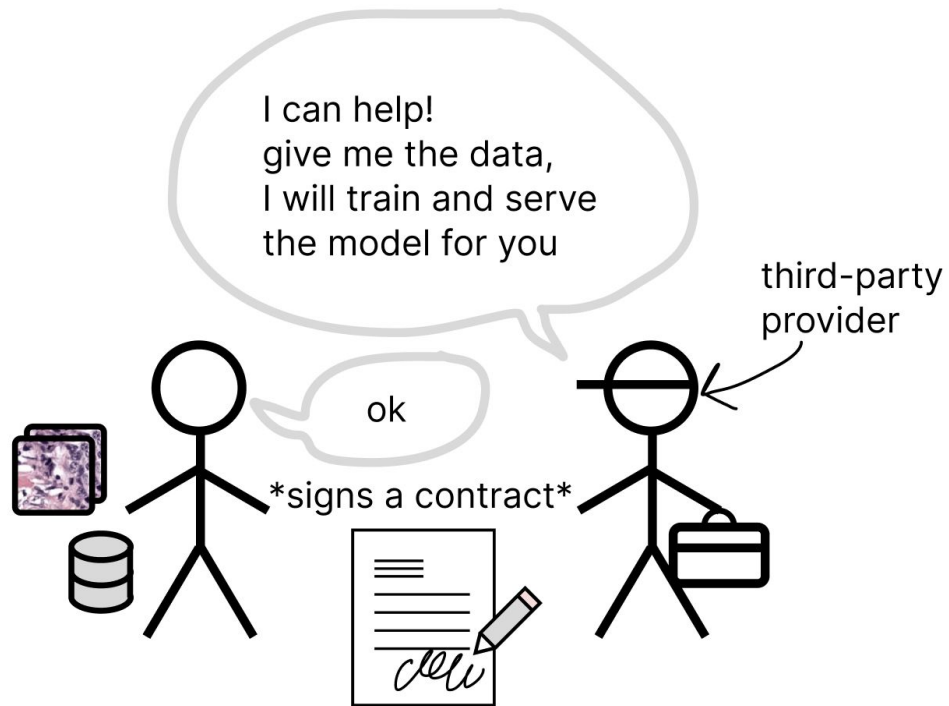
Whoever controls AI, controls everything.

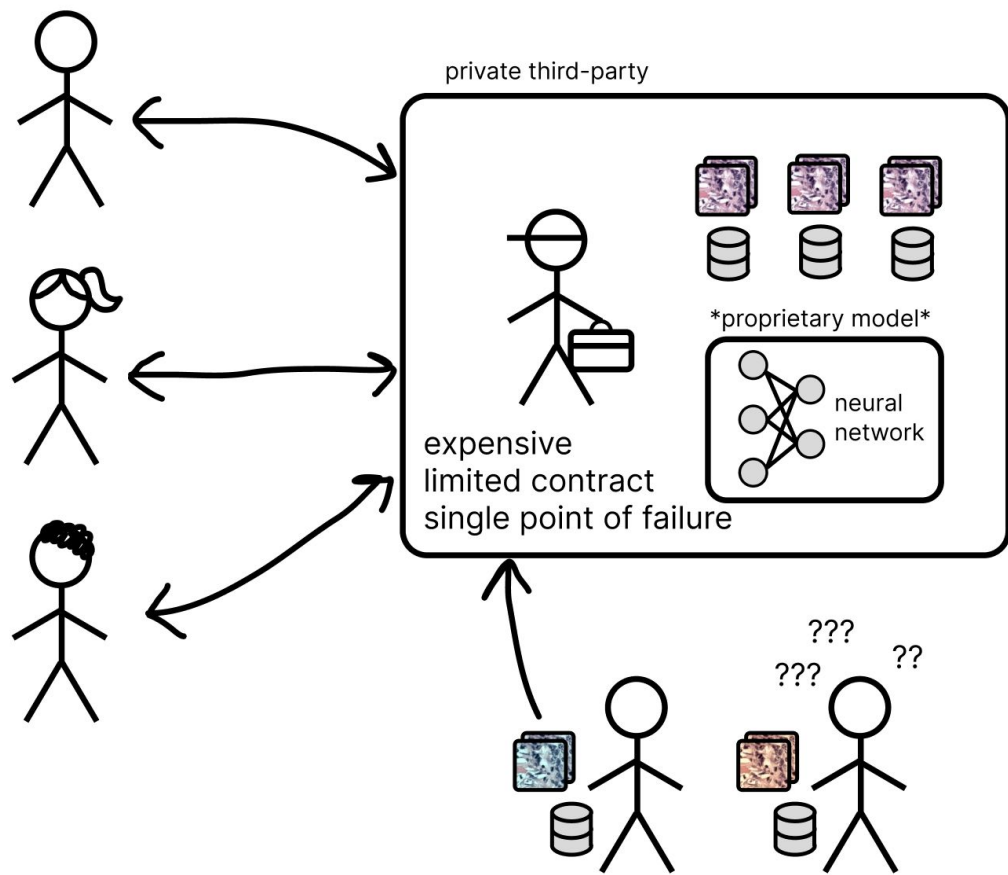
# Use case: Crowd-Sourced Cell Detection Model

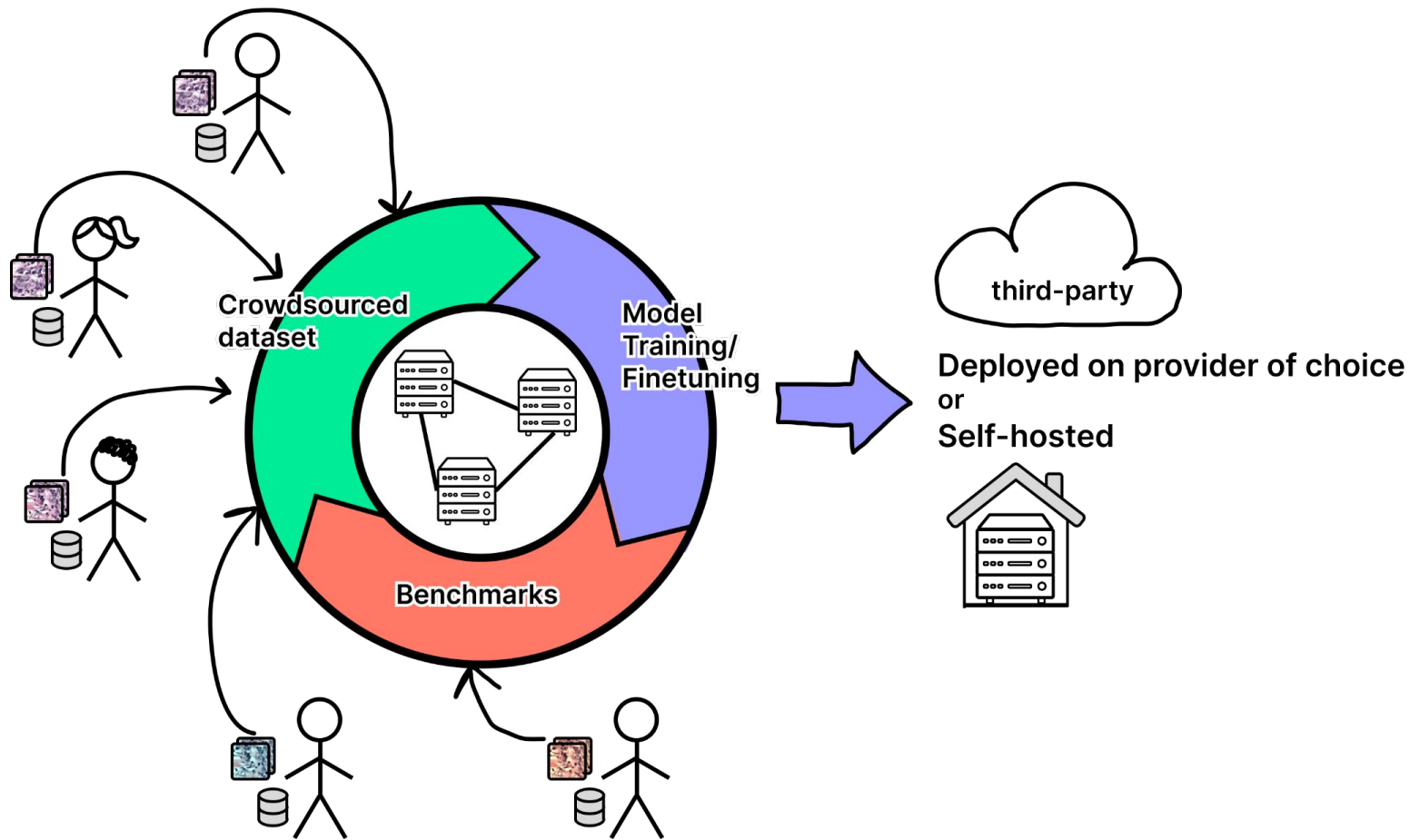
















# Datasets

A dataset is a collection of examples (like images or text) that an AI learns from to perform tasks.



- Current approach 
  - Biases in datasets
  - Contributors
    - Unfair rewards
    - Paid on quantity
- Crowd-sourcing 
  - Bias reduction
  - Broader reach
  - Fair pay
  - Peer reviewed/data quality
  - Paid on quality

# Models

- Centralized AI models 
  - Created by major corporations
  - Large datasets curated by these companies
    - Bias
    - Data Centralization
  - Lack of Transparency
  - Profit-Driven
- User-Owned AI models 
  - Driven by community needs and open collaboration
  - Transparency and open-source
  - Bias reduction
  - Data Ownership

# Benchmarks

A benchmark is a standard test or set of tasks used to evaluate and compare the performance of different AI models.

- Current approach 
  - Creating benchmarks right now requires knowledge
  - Not democratized
- Open and crowdsourced benchmarks 
  - Anyone can contribute to a benchmark
  - Multiplying possible benchmarks
  - Reach and community

# Trusted Execution Environments

## Confidentiality

Compute provider, software provider, model provider all unable to see user data

## Verifiability

The exact computation is guaranteed to be executed

## GPU-enabled

NVIDIA Hopper and soon Blackwell supporting Confidential Computing

## Arbitrary computation

Intel TDX and similar AMD and ARM platforms support running arbitrary software

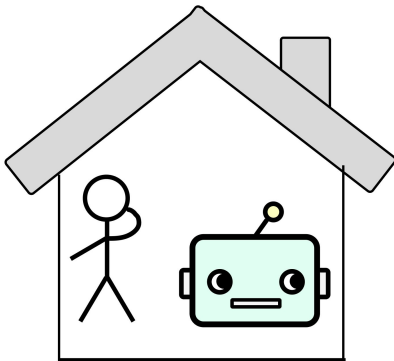
**CVM**  
Confidential Virtual  
Machine

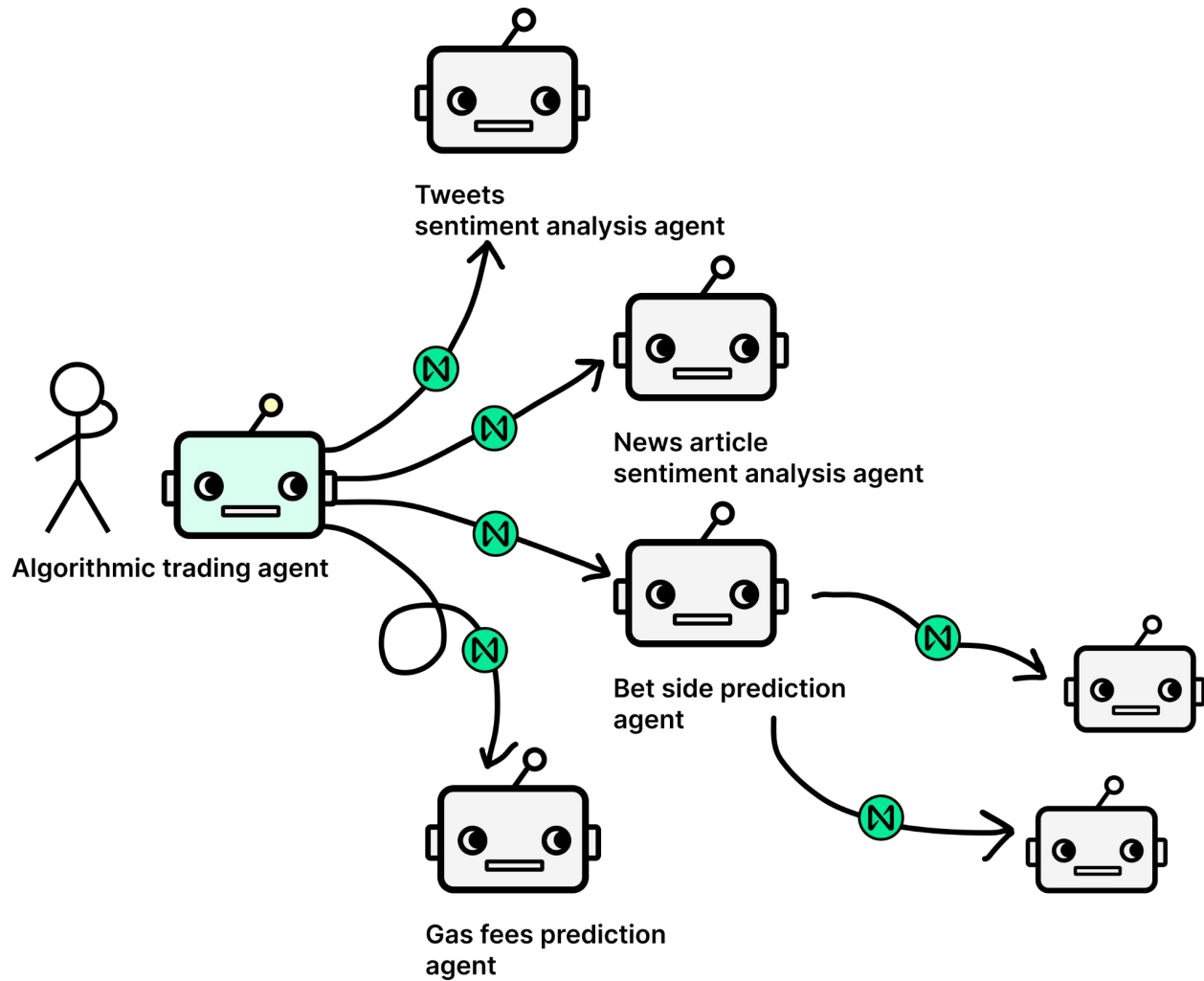


<https://github.com/nearai/private-ml-sdk>

# Use Case: Algorithmic Trading

- Hedge fund offering a new automated DeFi trading service





# AITP

- Monetizable Agents
- Extensible Capabilities
- Universal Communication



<https://aitp.dev/>

# DCML





<https://medium.com/nearprotocol/>

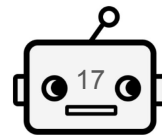
- All interactions are confidential and permissionless
- Results are verifiable
- Nodes and data centers across the world can join the network
- Monetizable models
- Supports training, fine-tuning, and extending models
- Offers safety tooling



# Agents

- Current approach 
  - Black-Box
  - No ownership
  - Paywalls and Access Control
  - Lack of Collaboration

- Open and interoperable 
  - Collaboration by design
  - Transparency
  - Agent Marketplace
  - Micropayments



# User-Owned AI Stack

→ Collaborative

→ Open

→ Fair

→ Distributed  
ownership

→ No single point  
of failure

→ Efficient



<https://near.ai/>



We are looking for  
**Agent Developers!**



\* [https://linktr.ee/pierre\\_lg](https://linktr.ee/pierre_lg)

# Australian lawmakers force Meta to admit only regulation will force it to offer AI training opt-out

## Irish court drops privacy case after X agrees to never use EU users' tweets to train Grok AI model

Meta to use EU user content for AI training as opt-out period ends

by dpa | 28.May 2025 | Europe in brief

ARTIFICIAL INTELLIGENCE

## User Outcry as Slack Scrapes Customer Data for AI Model Training

Slack reveals it has been training AI/ML models on customer data, including messages, files and usage information. It's opt-in by default.

## Revealed: 50 million Facebook profiles harvested for Cambridge Analytica in major data breach

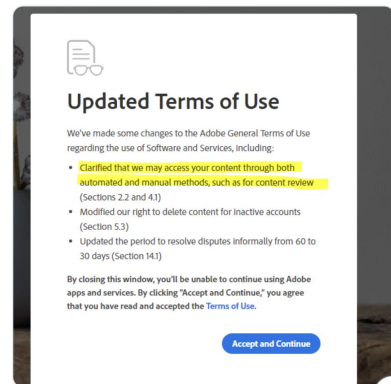
Whistleblower describes how firm linked to former Trump adviser Steve Bannon compiled user data to target American voters



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2:43 AM · Jun 5, 2024



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# User-Owned AI is **N**near

Thank you!

✕ @Pierre\_Le\_Guen

\* linktr.ee/pierre\_lg

