Weights & Biases

The best-in-class developer-first MLOps platform

With just a few lines of code, practitioners can instantly debug, compare, and reproduce their models – the architecture, hyperparameters, git commits, model weights, datasets, and predictions – all in a centralized dashboard that unlocks collaboration across teams of any size.

Share work and collaborate across your team –– and your entire company

Too frequently, ML practitioners find themselves siloed. Sharing their work often amounts to sending a teammate a .csv file or a screenshot of a graph. That makes it hard to functionally collaborate with their peers and show off their successes to internal stakeholders.

W&B makes collaboration easy. Practitioners can create centralized dashboards where everyone can interact with their models and build off each other's latest great idea. Reports allow for simple distribution of key metrics to stakeholders who don't need the granular information ML experts do. Everything from data and model pipelines to weights and predictions are available to your entire team, turning machine learning into a truly teamwide effort.

GRAPHCORE

"We're now driving 50 or 100 times more experiments versus what we were doing before"

PHIL BROWN
Director of Applications at Graphcore

Push better models to production, faster

Integrating with Weights & Biases gives you a single source of truth for every part of your model pipeline. That one system of record unlocks speed and collaboration that supercharges the velocity of your ML practice.

After all, everything about Weights & Biases centers around making sure you know what's working in your MLOps pipeline—and what isn't. Curious about the hyperparameters of a particularly successful experiment three months ago? It's logged, same as the model architecture you used just yesterday. And with features like parallel coordinates plots, embedding projectors, shareable notebooks, and more, we don't just log everything for you: we make it easy to digest, understand, build upon, and share across your team.

EXPERIMENT DASHBOARD

- W&B lets teams track, compare, log, and visualize every step of model development.

- That means teams have everything they need to reproduce their models, debug performance in real-time, capture code, see live updates on model development, check for overfitting, and more.

ARTIFACTS

- Data and model pipelines are complex. They have deep interlocking dependencies where a single change in just one place can affect models downstream.

- Artifacts logs and visualizes those pipelines and records every version of your datasets so you can effortlessly understand your training flow and track your models.

- Great for companies with strict regulatory or compliance requirements

SWEEPS

Sweeps provides a scalable, customizable tuning system that allows teams to optimize their hyperparameters.

Trusted by 200,000+ ML practitioners

NVIDIA. OpenAI lyft SAMSUNG BMW GROUP

Truebill ClearCapital iRobot nuro

Weights & Biases

Easily meet governance and reproducibility requirements

Most enterprise data and model pipelines have intricate dependencies. For some companies, that means datasets that change constantly or undergo large seasonal shifts. For others, it means models that are built on top of other models built on top of other models. And of course, that's just the tip of the iceberg.

With W&B Artifacts, you keep track of it all. That means being able to understand why a downstream model is suddenly making bad predictions or being able to pinpoint exactly what version of a dataset has trained which model on which date. It means being able to show and prove how your models were created for both your internal team and outside regulators.

> "W&B allows us to scale up insights from a single researcher to the entire team and from a single machine to thousands."
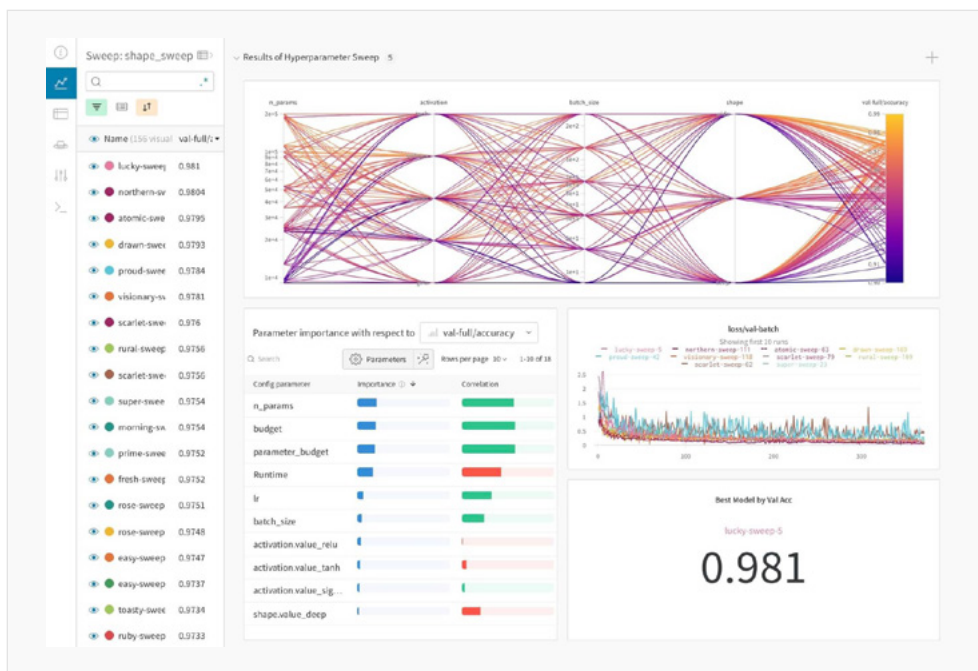
WOJCIECH ZAREMBA
Co-Founder OpenAI

TABLES

- Tables makes it easier to iterate on and evaluate models.
- Log, version, organize, data in intuitive visualizations that help teams find patterns in their datasets.
- Tables lets you see and interact with your data and models in an interactive way, leading to faster insights and deeper understanding.

REPORTS

- ML practitioners can sometimes have trouble sharing their work with their team and internal stakeholders. Reports lets them do just that.
- Reports are interactive documents where practitioners can take notes, share findings, plan future research, and, above all else, collaborate across teams.

ABOUT WEIGHTS & BIASES

Weights & Biases is the premier, developer-first MLOps platform. We help ML teams unlock their productivity by optimizing, visualizing, collaborating on, and standardizing their model and data pipelines – regardless of framework, environment, or workflow.