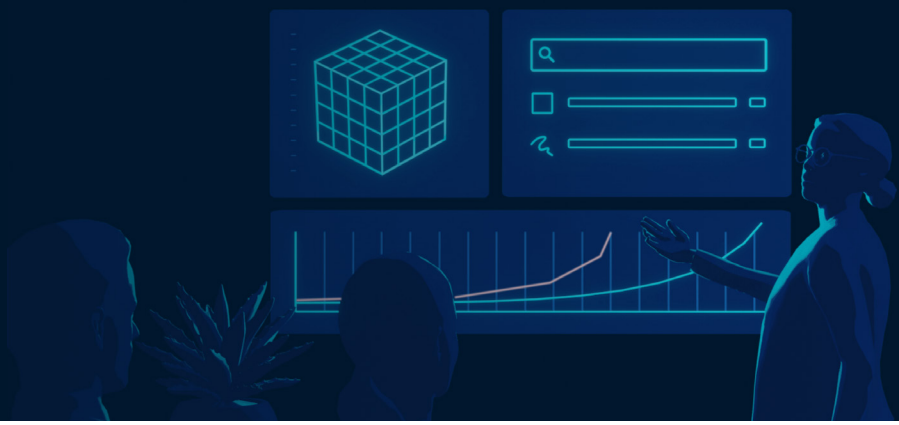
Labelbox

Get to production AI faster



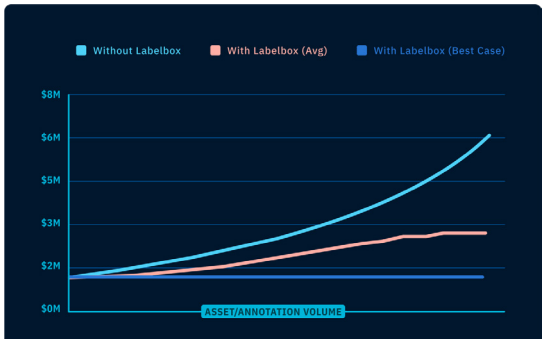
Successful integration of AI into your enterprise requires a new approach that is iterative and scalable. Labelbox provides this new approach.

Labelbox is an enterprise-grade training data platform that accelerates the efforts of organizations throughout the artificial intelligence and machine learning (AI/ML) lifecycle. This enables teams to experiment quickly and scale up the development of AI applications.

A machine learning model is only as good as its training data. Labelbox enables enterprises to optimize the entire process of training data creation across the supervised learning lifecycle in a single platform. Teams iterate faster on AI/ML model training with actionable analytics, labeling automation and model error analysis. They can easily and securely employ a variety of labeling workforces, enabling large- scale annotation quickly.

Why invest in a Training Data Platform?

Every $1 in software spend, saves $5 in label spend.



Source: Aggregate labeling budget from publicly-traded Labelbox customer, Q4 2019- Q2 2021. Confidential and for illustrative purposes only.

50% cost reduction due to:

- Model-assisted labeling
- API-driven setup to automate key workflows

80% cost reduction due to:

- Labeler transparency + performance analytics
- Greater team collaboration (Issues & Comments, etc)
- Quality assurance (e.g., Consensus)

Data science teams can leverage the Labelbox platform to manage quality throughout the process with quality controls such as consensus bias-checks and benchmarking labeled data against established ground truth. By helping enterprises tackle the most complex and time-intensive step in training ML models — training data creation — Labelbox ensures that the AI applications are robust, accurate, and move projects to production quickly.

Fortune 500 enterprises and leading AI companies use Labelbox across a variety of use cases, including:

Object Detection and Classification in Full Motion Video and Imagery

Labelbox's Training Data Platform is used to annotate imagery and video in support of detection use cases. Leveraging bounding boxes, segmentation and nested classifications, models can be trained to be highly accurate on real-world data.

Language and Sentiment Analysis

Companies use Labelbox to label textual data in support of sentiment analysis use cases. Teams annotate data with Labelbox's NLP and NER editors, creating rich datasets that can be deployed in support of many AI application requirements.

Geospatial Object Detection and Tracking

Labelbox is used to create training data from sensor types, including electro-optical, multispectral, hyperspectral and SAR. The Labelbox TDP seamlessly ingests geospatial data (NITF, GeoTIFF, tiled) and enables collaborative labeling and review across distributed teams, including external labelers.

Trusted by companies who are fueled by AI

WB · Bayer · lytx · ArcelorMittal · stryker · BLUE RIVER TECHNOLOGY · BLACK+DECKER · Bristol Myers Squibb · iqt IN-Q-TEL · FLIR · CAPE ANALYTICS · airbnb

With Labelbox's **Model-assisted labeling** capability, data science teams achieve:

- Faster iteration cycles over time
- Less human work with each iteration
- Savings of up to 80% in labeling costs

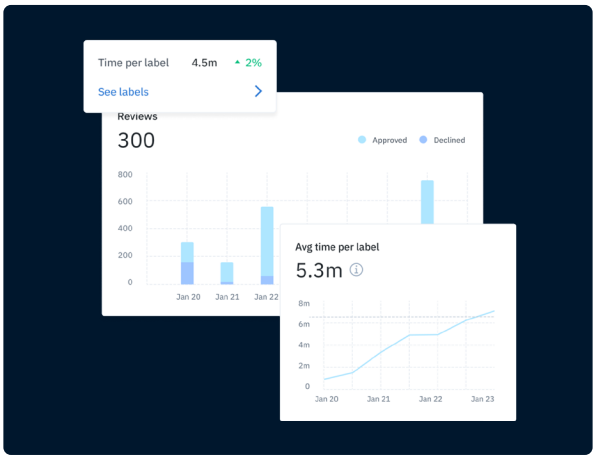
Labelbox enables computer vision and NLP teams to obtain the highest quality training data in the fastest amount of time. Teams get to production AI faster due to 3 key drivers:

Optimize labeling workforces with real-time performance analytics.

Throughput. Monitor how many assets have been labeled, reviewed, and the total time spent on each activity.

Efficiency. Track the average time spent per label on a project and drill down to compare across the workforce.

Quality Assurance. Measure the level of "agreement" by labeling assets more than once by different labelers (consensus). Score labelers individually by comparing their labels against a "Gold Standard" (benchmarks).



Use automation to speed up labeling productivity and iteration cycles

API & Python SDK. Endpoint flexibility to plug and play into existing workflows.

Model-assisted labeling. Import your model to accelerate the labeling process and quickly address edge cases. Correct annotations rather than create them from scratch.

Automatic task distribution. Dynamically create labeling queues with minimal effort so labelers prioritize the most important assets and never sit idle.

Customer spotlight.

A Fortune 500 agriculture company was training a model to identify weeds vs crops for its tractors to detect and act in real-time. The majority of its labels were inaccurate and its blackbox approach made it difficult to improve since they had to wait until their external workforce sent over a new batch. After using Labelbox's training data platform and adopting model-assisted labeling, it cut its ML spend in half while doubling its training data output with the same label budget.

Enable better collaboration to improve data quality and reduce labeling costs.

Reviewer Role. Protect the time of your experts. Assign SMEs to approve accurate labels or quickly adjust inaccurate labels rather than spending time annotating assets from scratch.

Issues/Comments. Collaborate in real-time with your labeling team to provide feedback so you can quickly iterate.

Manage at scale. Bring in-house and external workforces together, and allow them to repurpose datasets and ontologies across different projects.