

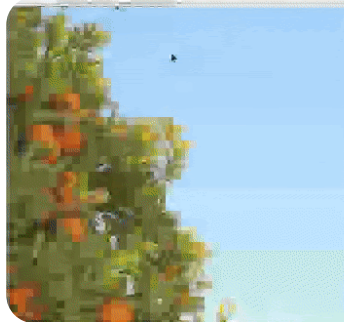
# Training Data Software

Core Platform Features

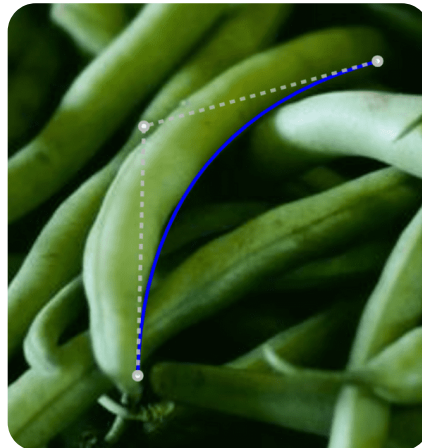
## Spatial Tools

Quadratic Curves, Cuboids, Segmentation, Box, Polygons,  
Lines, Keypoints, Classification Tags, and More

Use the exact spatial tool you need. All tools are easy to use,  
fully editable, and powerful ways to represent your data. All  
tools are available in Video.



**Turbo Mode**  
**Auto Bordering**  
**And More!**

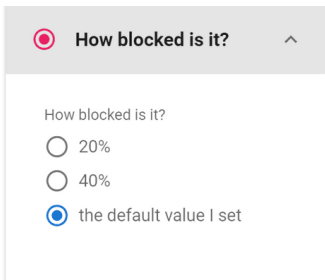


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# Attribute Tools

More Meaning. More degrees of freedom through:  
Radio buttons. Multiple select. Date pickers. Sliders.  
Conditional logic. Directional Vectors. And more!

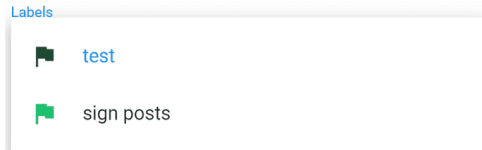
You can capture complex knowledge and encode it into your  
AI.



How blocked is it? ^

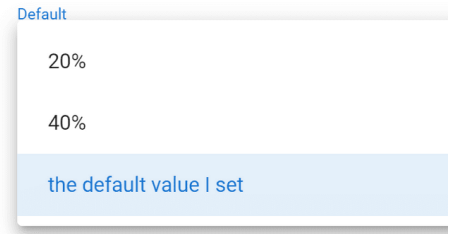
How blocked is it?

- 20%
- 40%
- the default value I set



Labels

- test
- sign posts



Default

- 20%
- 40%
- the default value I set

# Video

## High Performance

Long, High Frame Rate, High Resolution Videos.

## All Tool Availability

All spatial tools, and all attribute tools are available on every annotation instance. The video tool introduces no restrictions - it simply works.

## Buttery Smooth Playback

The Diffgram Video Rendering Engine gives you high performance, real time rendering. Instantly see annotation instances as the video plays.

## Real Frame Annotation

The Rendering Engine seamlessly switches between compressed video playback and true full image annotation. This dual approach guarantees that the frame being annotated is the actual data as opposed to single timestamp based approaches.

## Jump to Next

One touch jump to the next instance. No need to scan through long videos to make simple edits. Jump from Sequences, Labels, or directory from the URL. A big bottleneck in video annotation is effectively getting to the right place in the video. This dramatically speeds up that process.

## Sequences

Visually see instances through time. Easily jump to specific frames even in massive 100,000+ frame videos. Do event tracking, object tracking, event in/out and more. Diffgram automatically tracks and injects these keyframes for you.

## Pre-Label Support

Add Pre-Label Annotations using your own Sequence IDs. Diffgram automatically detects and organizes the data into useful human viewable objects with preview images.

## Perpetual Update Support

Continually improve your data by re-uploading improved pre-labels to the same video.

## Interpolation

Annotate a few frames and get the intermediary frames filled in. It's fast, works on all visual types, and requires no further training or cost.

## Video Split

Have a long video? Simply import it like usual, select how long each clip should be. Diffgram automatically splits it into clips for annotation and maintains the references to the original video. Seamless human supervision without compromise.

**AND MORE!**

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# Enterprise

### Adds:

1. Live Video Support
2. Dedicated Success Manager
3. Training
4. Service Level Objectives (SLO)
5. 4 Hour Response During Business Hours / 1 Day Response Outside Business Hours
6. Long Term Support (LTS) Assurances
7. Roadmap Access

### Optional:

8. On Premise / Private Cloud Install
  9. Single Sign On (SSO)
  10. Custom Agreement Terms
- Plus
- Org Level Scopes (Organize Multiple Projects), Fine Grained Permissions & Roles, and More Enterprise Exclusives.



# Quality

## **Discussions**

Have great discussions around your training data. Solve Training Data Issues.

Most teams often resort to powerpoint presentations and conversations that lack context of the actual data. Now you can maintain that context. It's as easy to discuss data issues in Diffgram as it is code issues in Github.

Review Tasks, Performance Tracking, Gold Standard setting, Guides, Exams, and more.

## **Integrations**

One click integrations with your data.

It's often hours of work to properly set up scripts. It can be impractical to download the files to your local machine. Now, with a simple copy and paste of credentials, you can seamlessly access your cloud data directly inside Diffgram.

## **Reporting & Performance Tracking**

Take a deep dive into individual performance. Understand your datasets. Or zoom out to the 10,000 foot view. It's all up to you with our powerful reporting system.

With Diffgram you can customize your reporting to your heart's content! Default dashboards and custom dashboards.

## **API Access and SDK**

Build on top of Diffgram. Interact programmatically, including actions like creating datasets, modifying files, sending and receiving data, and more.

Diffgram is built "API" first - so virtually anything you can do in the UI you can do through the API. And the SDK includes many helpers and wrappers to make it a total breeze to get started.

## **Training Data Management**

### **Data Pipelines**

Training Data Management is about more than manually moving files around. With Diffgram you setup Pipelines of Training Data, so that as new data comes in it can be supervised. This takes the old static approach and turns it into a reusable, production ready one.

## **True Version Control**

Create and edit data like normal. The unique “write on change” system creates a copy of every change. That means you can see, per instance, every change, including spatial, attributes, authorship, and more.

This means you can edit data like normal, and the system automatically version controls it. And this means you can meet the strictest EU compliance needs (including for medical).

## Automation for AI

Did you know many customers rarely “draw the box” (or polygon) any more?

By using your model to do the first pass on the data you maximize productivity. The model predictions are loaded into Diffgram for humans to supervise and improve.

Go beyond flashy demos and build a true continually improving pipeline. Pre-Label and do Active Learning with *any* instance type on image, video, and text.

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## Solve The Process - The Real Bottleneck

91% of teams take > 3 weeks to create their first dataset.

And months to get to Beta.

What if you could speed this up?

With Diffgram, your Data Science team moves into a higher level control position of the Datasets.

The system manages the data, including the Sync process between files.

This makes the process non-blocking, and improves your time spent on the process by up to 3x.

Scale your AI efforts with our patent pending Sync Automation Engine.

# Webhooks

Build your long-term solution with powerful callbacks.

# Notifications

Easily setup custom notifications for when team members upload data, when tasks are complete, datasets are ready, and more.

# Specifications

Most image formats including:

.jpg, .png

Video formats including:

.mov, .mp4, .m4v, .quicktime, .avi

Video formats including:

.txt

Other formats including:

DICOM, Multi-Modal, Geospatial/ Tiled Imagery (Maps)

Diffgram is a Cloud First and Cloud Scale built. Scale horizontally to Petabytes of data and millions of events per second. Run from anywhere, or restrict to a private network.

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## How it works

Import your data, setup your templates and start supervising AI!

## FAQ

### **How does Diffgram compare to other providers?**

With Diffgram you will maximize your supervision results by improving the *process* itself. We zoom out and look at the real bottlenecks and usage patterns.

In 2020 more customers than ever switched from other providers to Diffgram - including some that are still advertised on competitor websites.

Diffgram provides the most balanced coverage and most flexible options. Choose Diffgram to solve your needs today - and tomorrow.

### **How long have you been around?**

We were founded in 2018 and have been growing rapidly. With Canadian, American, South African, and Guatemala roots, we are a multi-cultural team. We believe in close relationships with our customers.

### **Who else is using Diffgram?**

We have over 3,000 users including users from top technical firms, startups, small businesses and even major corporations.

### **Is there a free trial?**

Try the Free Edition for a general feel.

### **Do you have x feature? We really need x and we aren't seeing it?**

In many ways Diffgram is a feature complete, mature platform. Yet we also believe it's "Day 1". We can ship a new feature you need in less than 2 weeks. Contact us today!

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