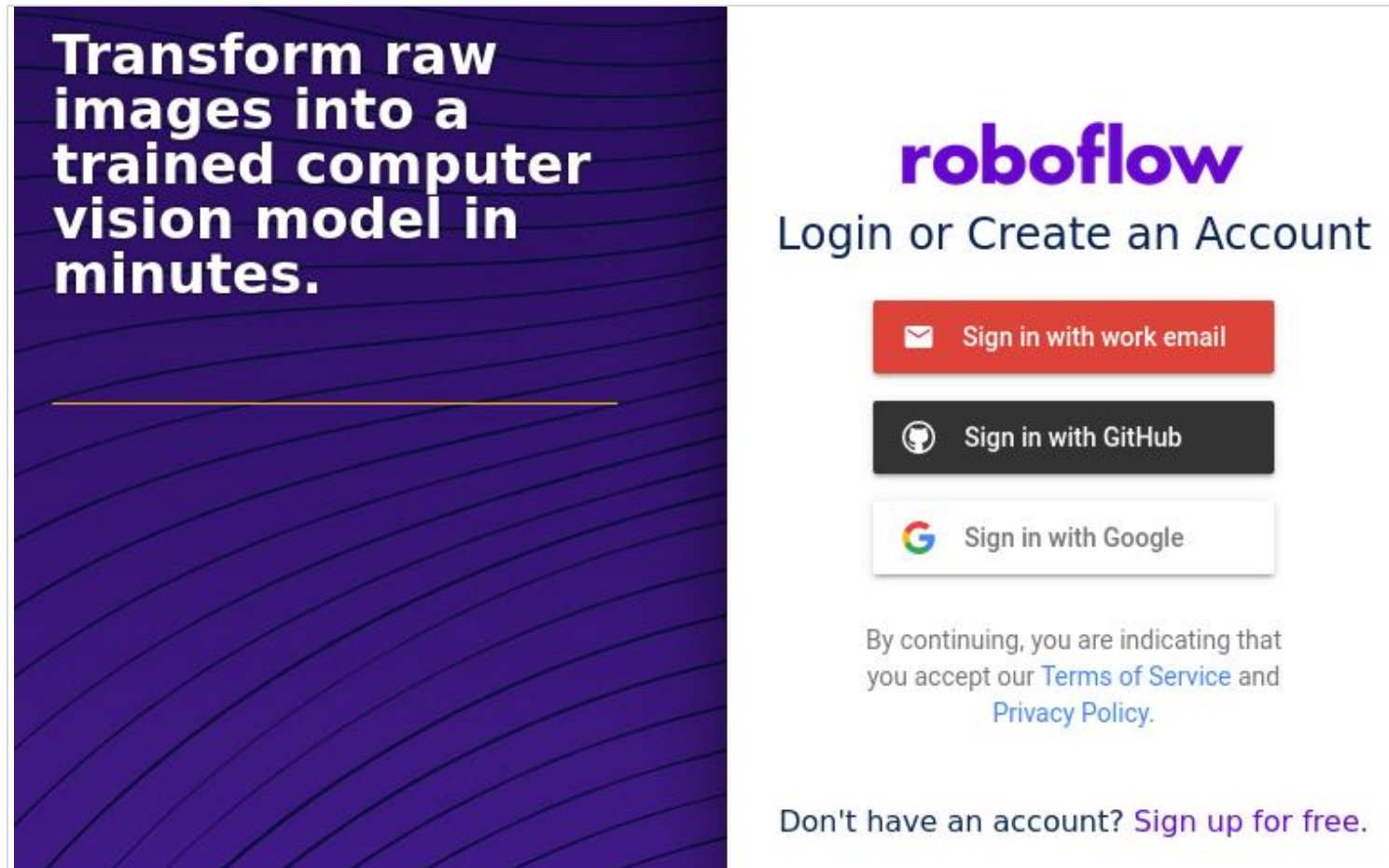


# Criando nosso banco de dados

- Acesse <https://app.roboflow.com/> e crie uma nova conta



# Criando nosso banco de dados

- Crie um workspace

## Welcome to your new workspace!

A workspace helps you manage datasets and models and collaborate with your team or organization.

Let's start by customizing it.

Workspace Name: E.g. business, class, team name

How will you be using this workspace?

☐ Work

☐ School

☒ Personal

Continue

## Welcome to your new workspace!

A workspace helps you manage datasets and models and collaborate with your team or organization.

Choose your workspace type.

RECOMMENDED FOR YOU

☒ **Community** For hobbyists, students, and personal use.  
☒ Public. Free forever. Pay as you go for training and inferences.

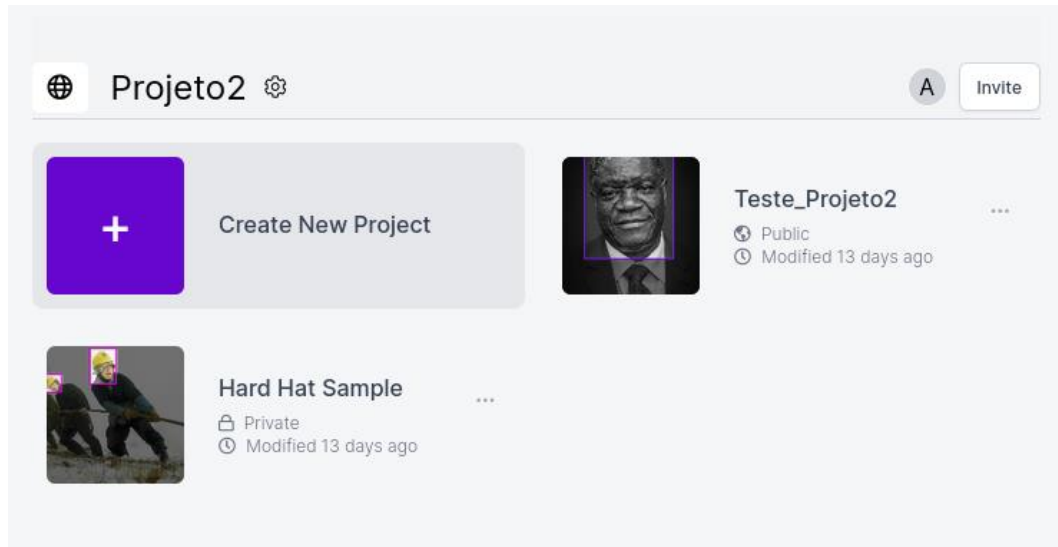
☐ **Business** For businesses of any size looking to productionize.  
☐ Private. Experiment for free. Paid plans start at \$1,000 / mo, with options to customize.

[Back](#) [Create Public Workspace](#)


[See All Plan Features >>](#)

# Criando nosso banco de dados

- Crie um projeto



## Create Project

Projeto2 /  New Public Project

Project Name


Projeto\_Aline

License

CC BY 4.0

Project Type

Object Detection (Bounding Box)

What will your model predict? 

Objetos

Cancel

Create Public Project


# Criando nosso banco de dados

- Faça o upload das imagens

## Upload

Batch Name


All Images 0 Annotated 0 Not Annotated 0





**Drag and drop  
images and annotations**

Select Files

Select Folder

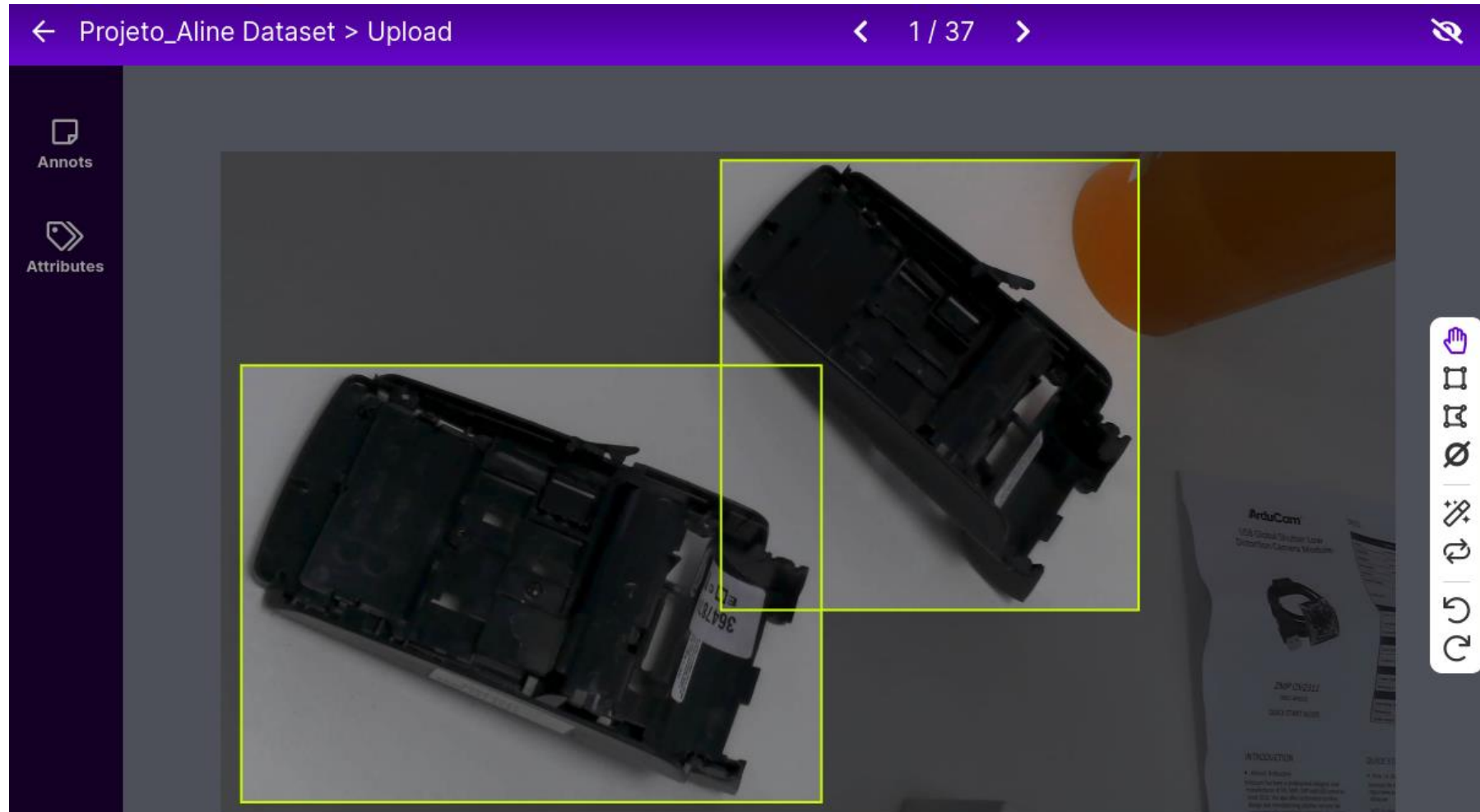
 **Images**  
jpg, png, bmp

 **Annotations**  
in 26 formats »

 **Video**  
mov, mp4, avi

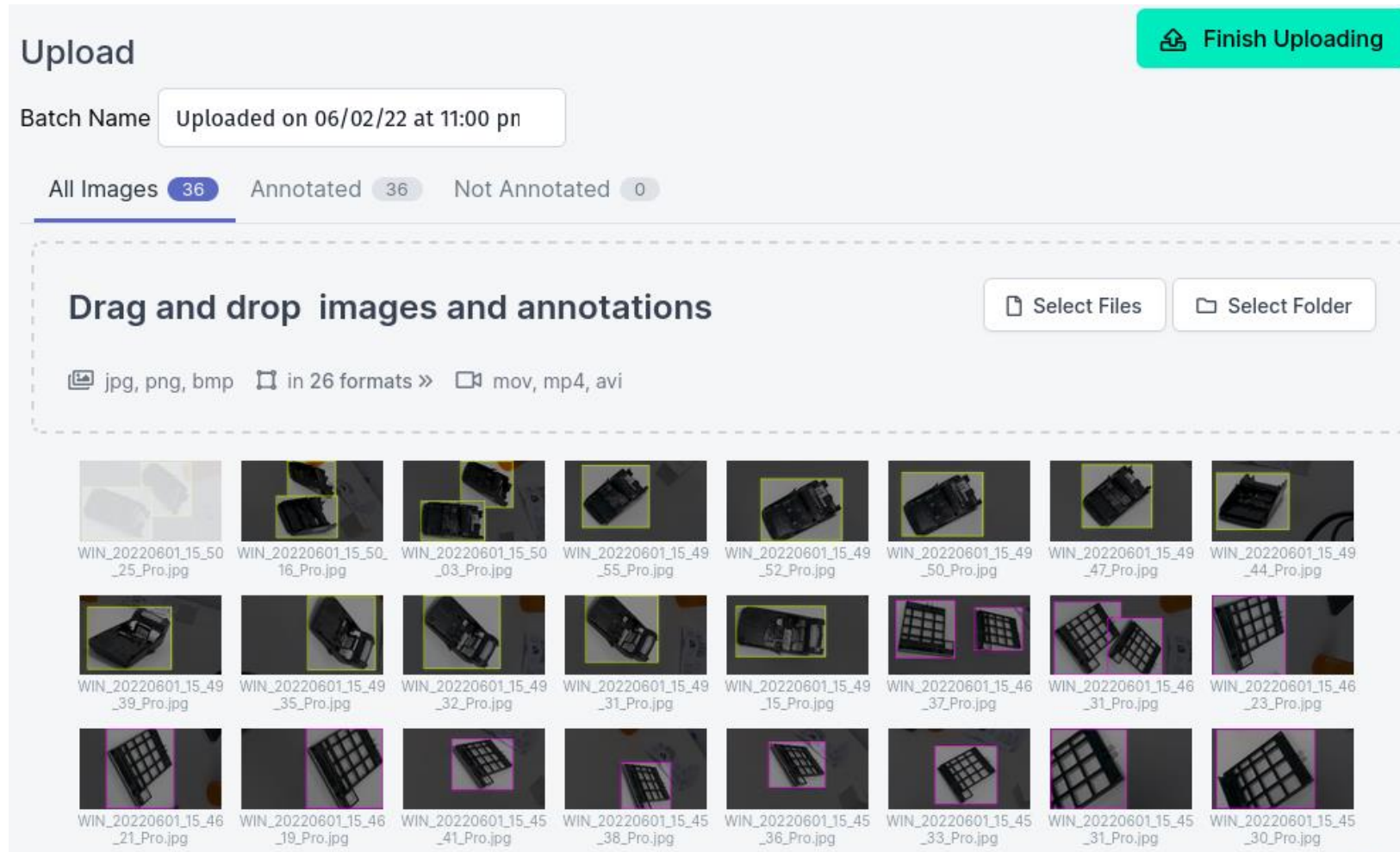
# Criando nosso banco de dados

- Faça as anotações



# Criando nosso banco de dados

- Finalize



The screenshot shows a web interface for uploading files. At the top right, a pink arrow points to a green button labeled "Finish Uploading". Below this, the "Upload" section includes a "Batch Name" field containing "Uploaded on 06/02/22 at 11:00 pm". There are three tabs: "All Images" (36), "Annotated" (36), and "Not Annotated" (0). The main area is a dashed box with the text "Drag and drop images and annotations". To the right of this text are two buttons: "Select Files" and "Select Folder". Below the dashed box, there is a grid of 24 image thumbnails, each with a filename below it. The filenames are: WIN\_20220601\_15\_50\_25\_Pro.jpg, WIN\_20220601\_15\_50\_16\_Pro.jpg, WIN\_20220601\_15\_50\_03\_Pro.jpg, WIN\_20220601\_15\_49\_55\_Pro.jpg, WIN\_20220601\_15\_49\_52\_Pro.jpg, WIN\_20220601\_15\_49\_50\_Pro.jpg, WIN\_20220601\_15\_49\_47\_Pro.jpg, WIN\_20220601\_15\_49\_44\_Pro.jpg, WIN\_20220601\_15\_49\_39\_Pro.jpg, WIN\_20220601\_15\_49\_35\_Pro.jpg, WIN\_20220601\_15\_49\_32\_Pro.jpg, WIN\_20220601\_15\_49\_31\_Pro.jpg, WIN\_20220601\_15\_49\_15\_Pro.jpg, WIN\_20220601\_15\_46\_37\_Pro.jpg, WIN\_20220601\_15\_46\_31\_Pro.jpg, WIN\_20220601\_15\_46\_23\_Pro.jpg, WIN\_20220601\_15\_46\_21\_Pro.jpg, WIN\_20220601\_15\_46\_19\_Pro.jpg, WIN\_20220601\_15\_45\_41\_Pro.jpg, WIN\_20220601\_15\_45\_38\_Pro.jpg, WIN\_20220601\_15\_45\_36\_Pro.jpg, WIN\_20220601\_15\_45\_33\_Pro.jpg, WIN\_20220601\_15\_45\_31\_Pro.jpg, and WIN\_20220601\_15\_45\_30\_Pro.jpg.

Upload

Batch Name Uploaded on 06/02/22 at 11:00 pm

All Images 36 Annotated 36 Not Annotated 0

Drag and drop images and annotations

Select Files Select Folder

jpg, png, bmp in 26 formats » mov, mp4, avi

WIN\_20220601\_15\_50\_25\_Pro.jpg WIN\_20220601\_15\_50\_16\_Pro.jpg WIN\_20220601\_15\_50\_03\_Pro.jpg WIN\_20220601\_15\_49\_55\_Pro.jpg WIN\_20220601\_15\_49\_52\_Pro.jpg WIN\_20220601\_15\_49\_50\_Pro.jpg WIN\_20220601\_15\_49\_47\_Pro.jpg WIN\_20220601\_15\_49\_44\_Pro.jpg

WIN\_20220601\_15\_49\_39\_Pro.jpg WIN\_20220601\_15\_49\_35\_Pro.jpg WIN\_20220601\_15\_49\_32\_Pro.jpg WIN\_20220601\_15\_49\_31\_Pro.jpg WIN\_20220601\_15\_49\_15\_Pro.jpg WIN\_20220601\_15\_46\_37\_Pro.jpg WIN\_20220601\_15\_46\_31\_Pro.jpg WIN\_20220601\_15\_46\_23\_Pro.jpg

WIN\_20220601\_15\_46\_21\_Pro.jpg WIN\_20220601\_15\_46\_19\_Pro.jpg WIN\_20220601\_15\_45\_41\_Pro.jpg WIN\_20220601\_15\_45\_38\_Pro.jpg WIN\_20220601\_15\_45\_36\_Pro.jpg WIN\_20220601\_15\_45\_33\_Pro.jpg WIN\_20220601\_15\_45\_31\_Pro.jpg WIN\_20220601\_15\_45\_30\_Pro.jpg

# Criando nosso banco de dados

- Divisão dos dados

## How should we split these images?

Choose

Split Images Between Train/Valid/Test

Train  
70%

Valid  
20%

Test  
10%

Not sure what this is? [Learn more on our blog.](#)

Cancel

Continue















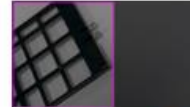



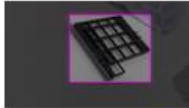















# Criando nosso banco de dados

- Divisão dos dados

Approved 36      Annotated 0      To Do 0

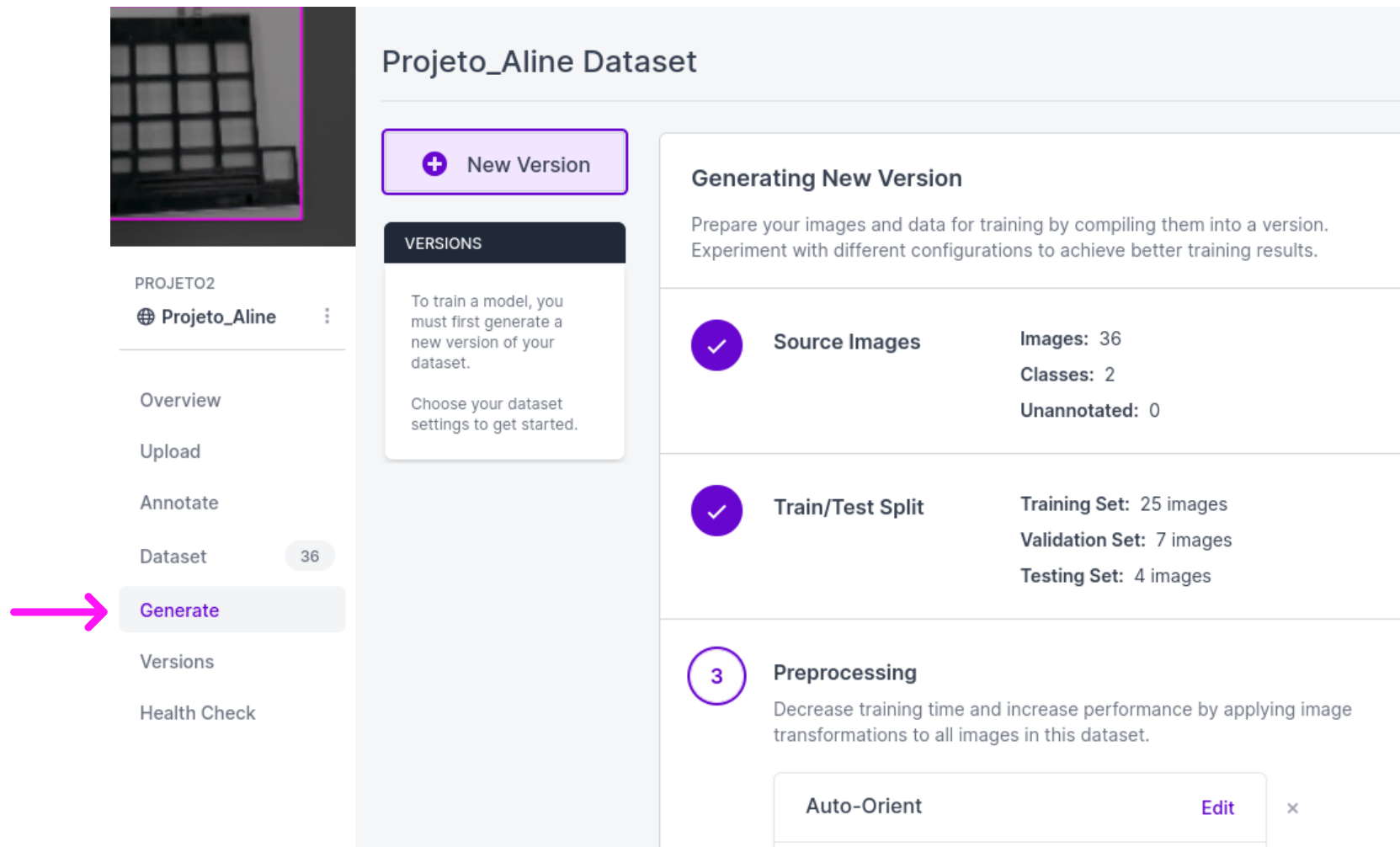
---

|  |  |   |  |  |  |   |  |
|--|--|---|--|--|--|---|--|
| <br>train   | <br>train   | <br>train   | <br>train   | <br>train   | <br>test    | <br>test   | <br>train   |
| <br>train   | <br>train   | <br>train   | <br>train   | <br>train   | <br>train   | <br>valid  | <br>test    |
| <br>valid  | <br>train  | <br>train  | <br>train  | <br>valid  | <br>train  | <br>train | <br>train  |
| <br>train | <br>valid | <br>train | <br>train | <br>valid | <br>valid | <br>test | <br>train |



# Criando nosso banco de dados

- Salvando o dataset



The screenshot displays the 'Projeto\_Aline Dataset' interface. On the left, a sidebar contains navigation links: 'Overview', 'Upload', 'Annotate', 'Dataset' (with a '36' badge), 'Generate' (highlighted with a pink arrow), 'Versions', and 'Health Check'. The main content area is titled 'Projeto\_Aline Dataset' and features a 'New Version' button. Below this is a 'VERSIONS' section with instructions: 'To train a model, you must first generate a new version of your dataset. Choose your dataset settings to get started.' The right side of the interface is titled 'Generating New Version' and includes a descriptive paragraph: 'Prepare your images and data for training by compiling them into a version. Experiment with different configurations to achieve better training results.' Below this, there are three sections: 'Source Images' (with a checkmark icon) showing 'Images: 36', 'Classes: 2', and 'Unannotated: 0'; 'Train/Test Split' (with a checkmark icon) showing 'Training Set: 25 images', 'Validation Set: 7 images', and 'Testing Set: 4 images'; and 'Preprocessing' (with a '3' in a circle icon) showing 'Decrease training time and increase performance by applying image transformations to all images in this dataset.' At the bottom right, there is a button labeled 'Auto-Orient' with an 'Edit' link and a close icon.

Projeto\_Aline Dataset

+ New Version

VERSIONS

To train a model, you must first generate a new version of your dataset.  
Choose your dataset settings to get started.

Generating New Version

Prepare your images and data for training by compiling them into a version.  
Experiment with different configurations to achieve better training results.

✓ Source Images Images: 36  
Classes: 2  
Unannotated: 0

✓ Train/Test Split Training Set: 25 images  
Validation Set: 7 images  
Testing Set: 4 images

3 Preprocessing  
Decrease training time and increase performance by applying image transformations to all images in this dataset.

Auto-Orient Edit x

# Criando nosso banco de dados

- Salvando o dataset

3

## Preprocessing

Decrease training time and increase performance by applying image transformations to all images in this dataset.



Auto-Orient

Edit

×

Resize

Stretch to 416×416

Edit

×



Add Preprocessing Step

Continue

# Criando nosso banco de dados

- Salvando o dataset



4

## Augmentation

Create new training examples for your model to learn from by generating augmented versions of each image in your training set.

 Add Augmentation Step

Continue

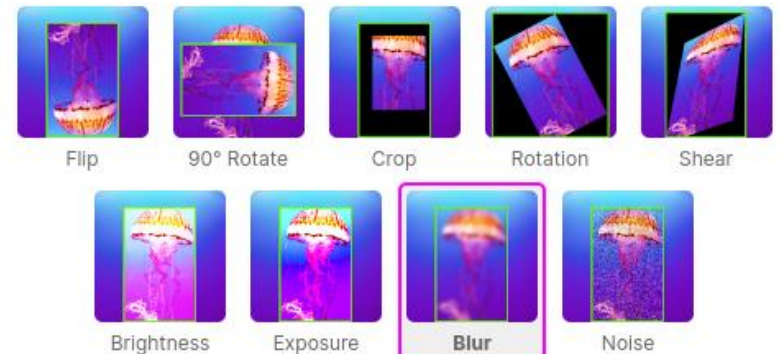
## Augmentation Options

Augmentations create new training examples for your model to learn from.

### IMAGE LEVEL AUGMENTATIONS



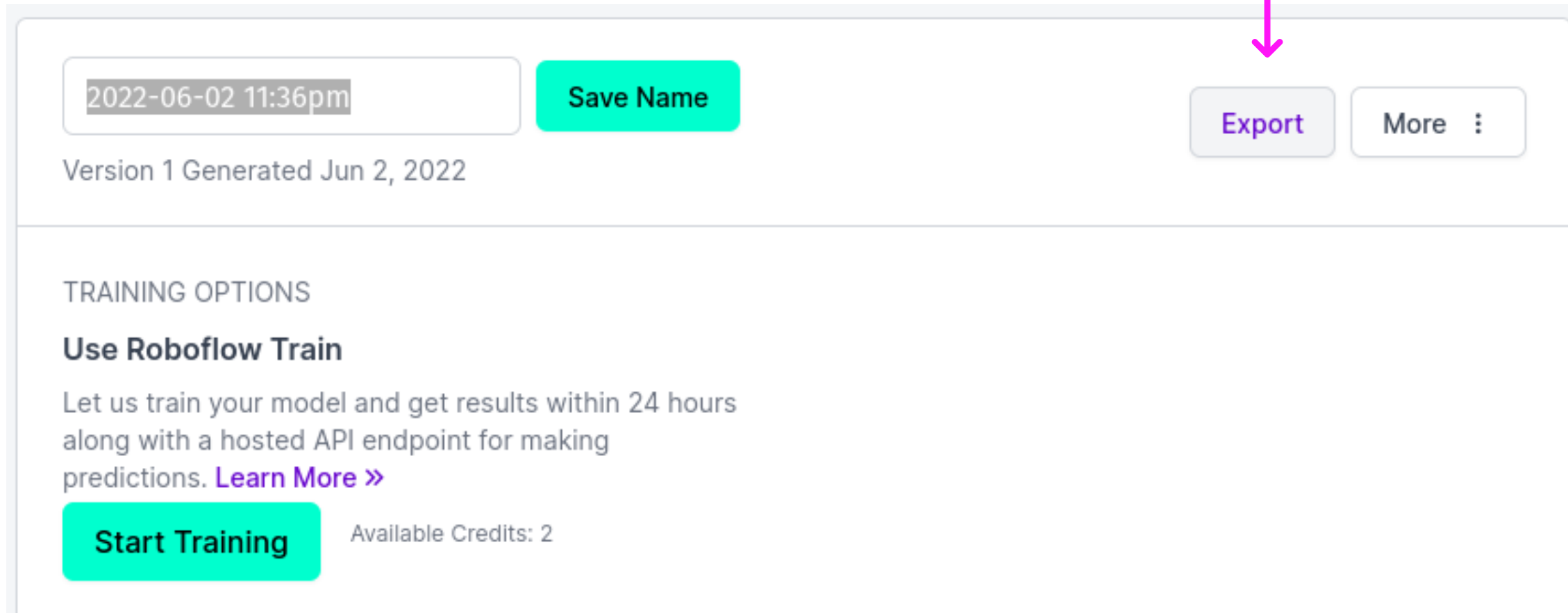
### BOUNDING BOX LEVEL AUGMENTATIONS ?



Cancel

# Criando nosso banco de dados

- Salvando o dataset



The screenshot shows a web interface for dataset management. At the top, there is a text input field containing the timestamp '2022-06-02 11:36pm' and a red 'Save Name' button. To the right of these is a grey 'Export' button, which is pointed to by a pink arrow, and a 'More' button with a dropdown arrow. Below this header, the text 'Version 1 Generated Jun 2, 2022' is displayed. The main section is titled 'TRAINING OPTIONS' and features a sub-header 'Use Roboflow Train'. Below this, a paragraph states: 'Let us train your model and get results within 24 hours along with a hosted API endpoint for making predictions. [Learn More >>](#)'. At the bottom of this section is a red 'Start Training' button and the text 'Available Credits: 2'.

2022-06-02 11:36pm

Save Name

Export

More ▾

Version 1 Generated Jun 2, 2022

## TRAINING OPTIONS

### Use Roboflow Train

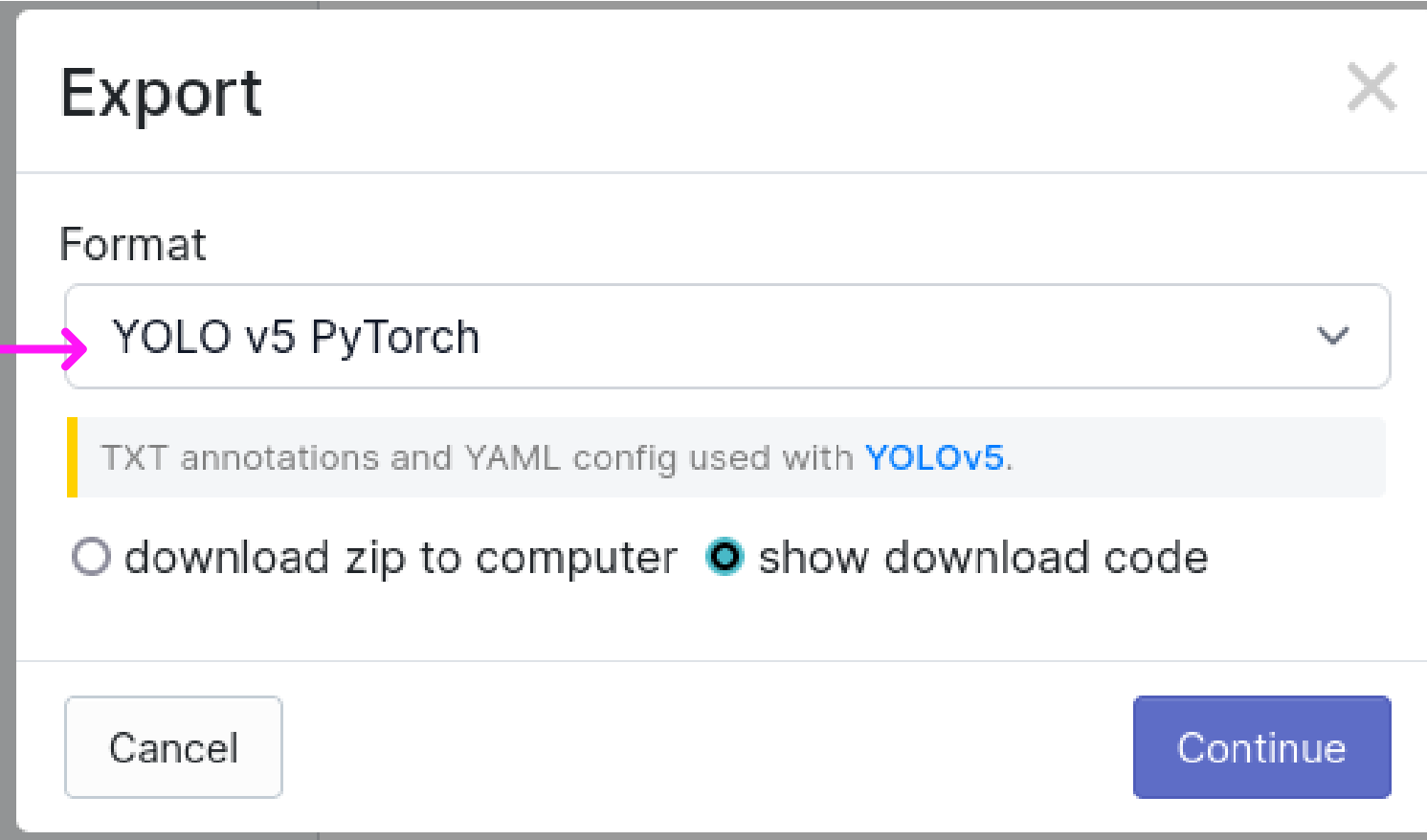
Let us train your model and get results within 24 hours along with a hosted API endpoint for making predictions. [Learn More >>](#)

Start Training

Available Credits: 2

# Criando nosso banco de dados

- Salvando o dataset

A screenshot of a web-based 'Export' dialog box. The dialog has a title bar with the word 'Export' and a close button (X). Below the title bar, there is a section labeled 'Format' containing a dropdown menu. A pink arrow points to the dropdown menu, which currently displays 'YOLO v5 PyTorch'. Below the dropdown, there is a light gray box containing the text 'TXT annotations and YAML config used with YOLOv5.' At the bottom of the dialog, there are two radio buttons: 'download zip to computer' (which is unselected) and 'show download code' (which is selected). At the very bottom, there are two buttons: 'Cancel' on the left and 'Continue' on the right.

Export

Format

YOLO v5 PyTorch

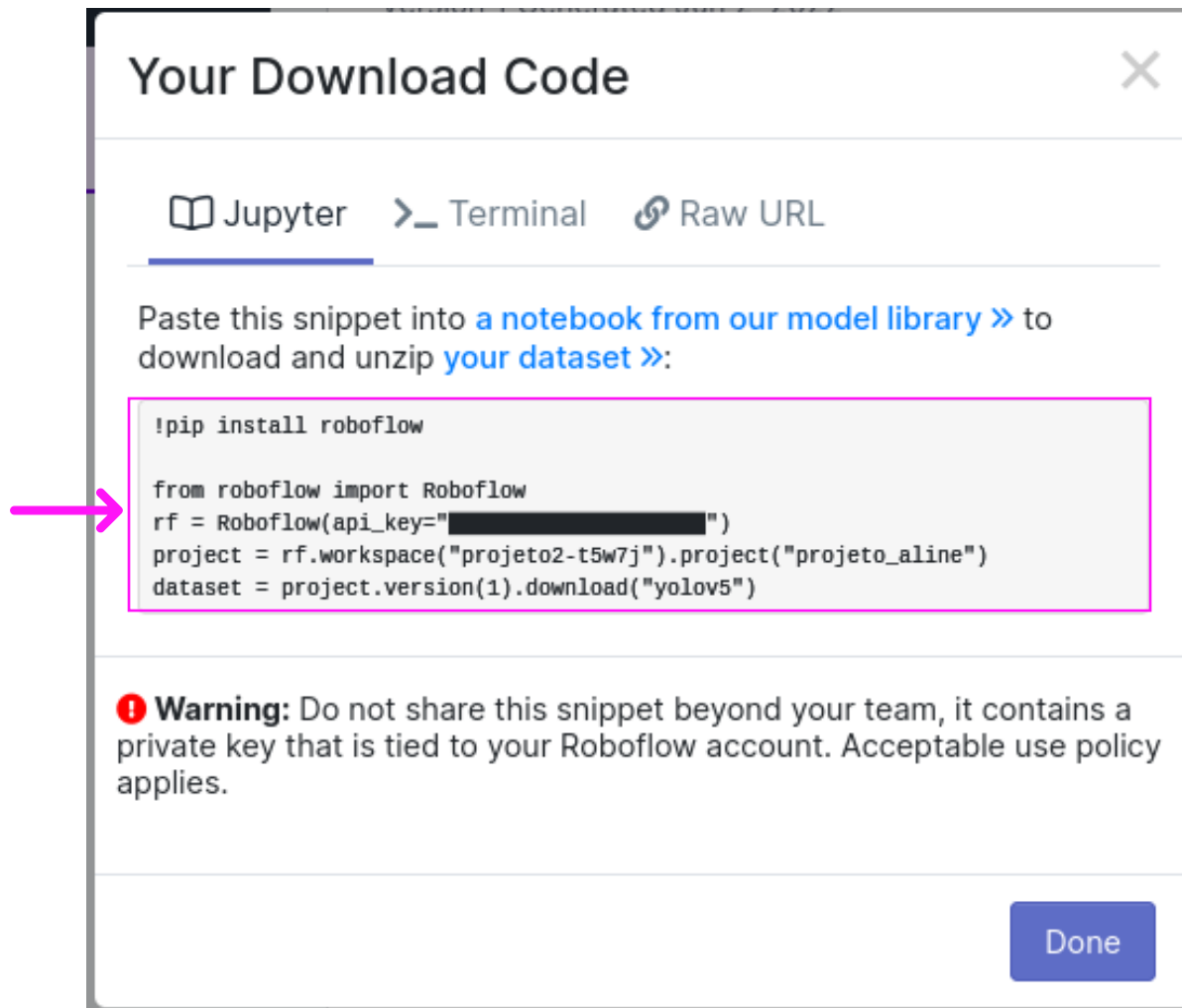
TXT annotations and YAML config used with YOLOv5.

☐ download zip to computer ☒ show download code

Cancel Continue

# Criando nosso banco de dados

- **Atenção:** Salve bem seu código de download



**Your Download Code** [X]

Jupyter > Terminal Raw URL

Paste this snippet into [a notebook from our model library >>](#) to download and unzip [your dataset >>](#):

```
!pip install roboflow

from roboflow import Roboflow
rf = Roboflow(api_key="[REDACTED]")
project = rf.workspace("projeto2-t5w7j").project("projeto_aline")
dataset = project.version(1).download("yolov5")
```

**Warning:** Do not share this snippet beyond your team, it contains a private key that is tied to your Roboflow account. Acceptable use policy applies.

Done

# Código do YOLOv5



<https://github.com/ultralytics/yolov5>



Download on the  
App Store



Coming Soon on  
Google Play