

Let's make a Classifier!

First

[Open Teachable Machine by clicking here.](#)

Or copy this address to the browser search bar:
teachablemachine.withgoogle.com/train

Here are some video instructions. Or, follow the steps below.

[Tutorial 1: Gather](#)



[Tutorial 2: Train](#)



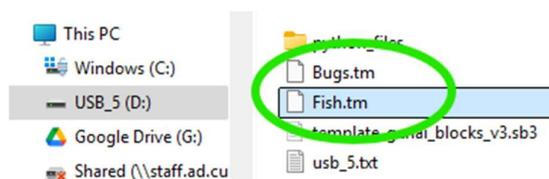
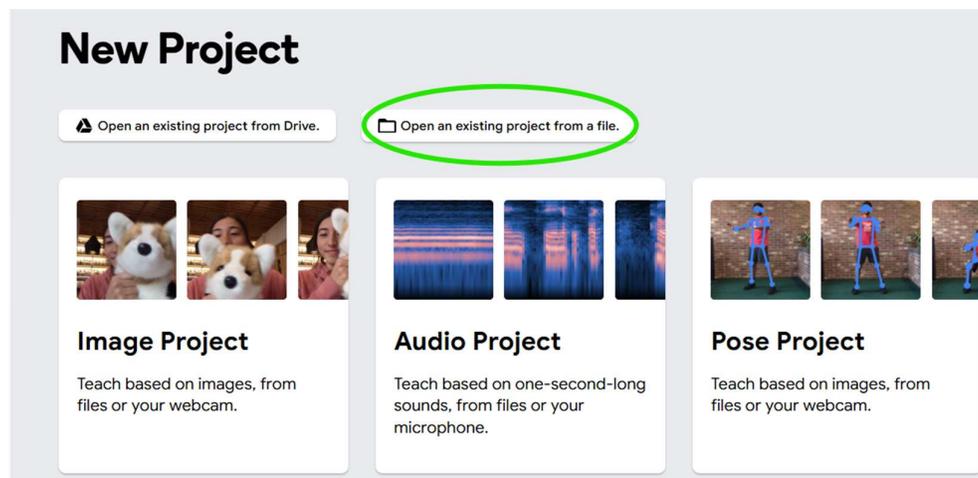
[Tutorial 3: Export](#)



Instructions

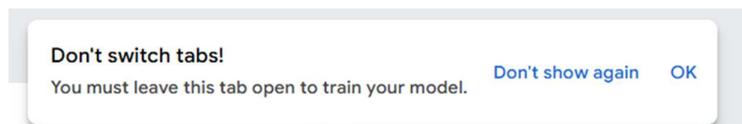
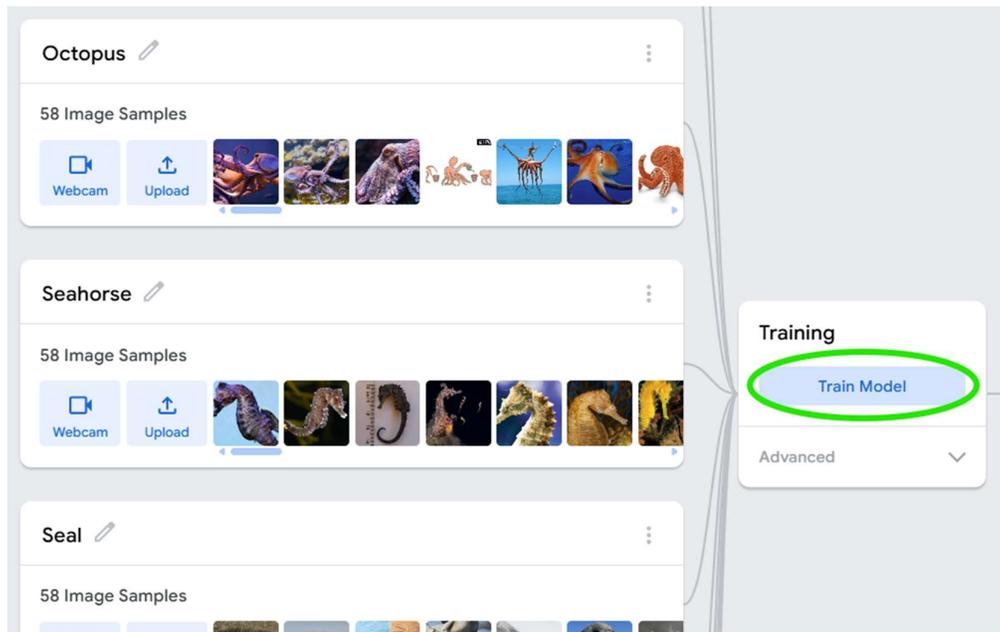
1. Load a project

On the Teachable Machine site, click 'Open an existing project from file'.
Choose a .tm project that you want to train.



2. Train

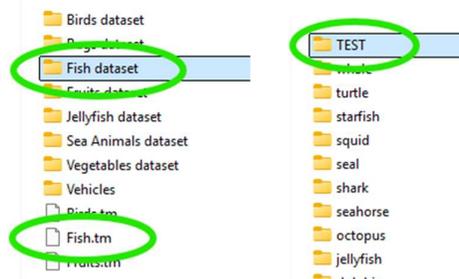
Make sure the pictures have been sorted into the right categories, and check that the classes are labelled. Click the pen  icon to change the name of the class. Then, click 'Train Model'. Keep the tab open while training.



3. Test!

Open file explorer  and open the folder with the dataset that was used for the model you chose.

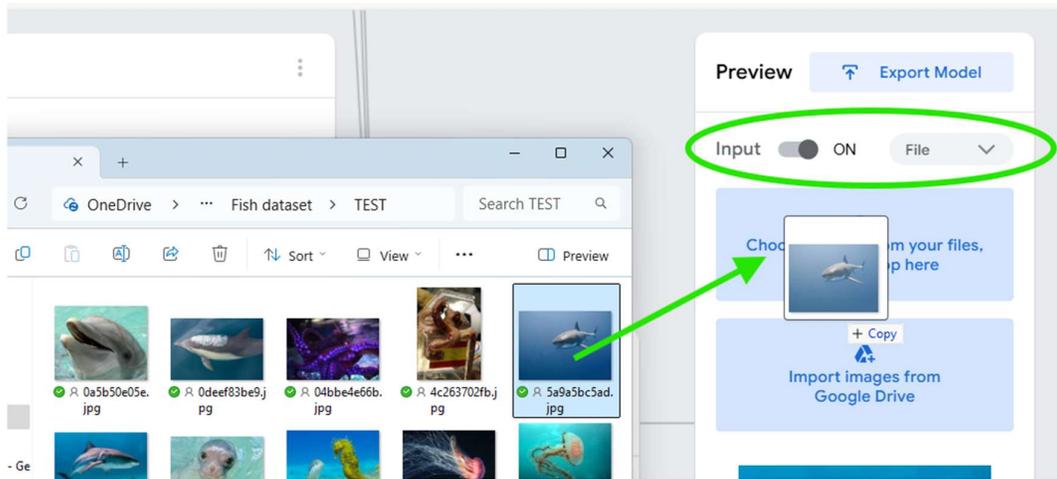
Open the 'dataset' folder and you'll see a 'TEST' folder.



These are images which weren't used in the training, so your model hasn't seen them before.

Make sure 'input' is ON, and choose 'File' from the dropdown next to it.

Drag and drop your test images directly from file explorer into the blue 'Choose images' box. Your image will appear inside, and the Classifier will tell you what it thinks it is.



What do the results mean?

In this example, the classifier is 100% sure that this is a shark!



Output



Hmmm... This is a clam, but the Classifier is 84% sure this is an Octopus. Why could this be?



Output

