

IMAGE dataset modified

Deep Learning - Assignment 2 ▾

Search products and resources

imagr-mod_icn

IMPORT BROWSE ANALYZE

Add images to your dataset

Before you begin, read the [data guide](#) to learn how to prepare your data. Then choose an import method.

Select an import method

- Upload images: Recommended if you don't have labels yet
- Import files: Recommended if you already have labels. An import file is a list of Cloud Storage URLs to your images and optional data, like labels. [Learn how to create an import file](#)

Upload images from your computer

Upload import files from your computer

Select import files from Cloud Storage

Upload images from your computer

Add up to 500 images per upload. Images will be preprocessed and stored in Cloud Storage.

[SELECT FILES](#)



Image classification models predict one (or many) labels for an image. For example, identifying types of clouds from images of the sky.

Instead of creating a custom model, try Google's Vision API to detect generic objects, faces, and text. [Learn more](#)

imagr-mod_icn

IMPORT BROWSE ANALYZE

All	202
Labeled	202
Unlabeled	0
Filter labels	+
cat	101
dog	101

[ADD NEW LABEL](#)

Filter items

Select all



dog cat cat dog



cat dog cat dog

Train new model

1 Choose training method

2 Define your model

3 Compute and pricing

START TRAINING

CANCEL

Dataset
imagr-mod ? ▾

Annotation set
imagr-mod_icn ? ▾

Objective
Image classification (Single-label) ? ▾

Please refer to the pricing guide for more details (and available deployment options) for each method.

AutoML

Train high-quality models with minimal effort and machine learning expertise. Just specify how long you want to train. [Learn more](#)

AutoML Edge

Train a model that can be exported for on-prem/on-device use. Typically has lower accuracy. [Learn more](#)

Custom training (advanced)

Run your TensorFlow, scikit-learn, and XGBoost training applications in the cloud. Train with one of Google Cloud's pre-built containers or use your own. [Learn more](#)

CONTINUE

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CANCEL

Model name * ?

Data split

Randomly assigned Manual (Advanced)

Your dataset will be automatically randomized and split into training, validation, and test sets using the following ratios.

Training
80 %

Validation
10 %

Test
10 %



Encryption

Use a customer-managed encryption key (CMEK)

[▲ SHOW LESS](#)

CONTINUE

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START TRAINING

CANCEL

Enter the **maximum** number of node hours you want to spend training your model.

You can train for as little as 8 node hours. You may also be eligible to train with free node hours. [Pricing guide](#)

Budget *

8

Maximum node hours

Estimated completion date: Mar 8, 2021 11 PM GMT-8

Enable early stopping

Ends model training when no more improvements can be made and refunds leftover training budget. If early stopping is disabled, training continues until the budget is exhausted.

EVALUATE DEPLOY & TEST BATCH PREDICTIONS MODEL PROPERTIES

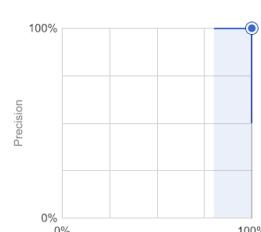
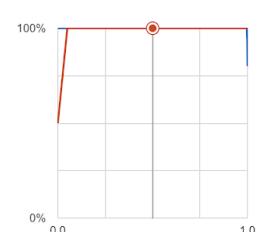
Filter labels Confidence threshold 0.5

All labels	0
dog	1
cat	1

All labels

Average precision	1
Precision	100%
Recall	100%
Created	Mar 8, 2021, 9:36:08 PM
Total images	202
Training images	162
Validation images	20
Test images	20

Use the slider to see which score threshold works best for your model on the precision-recall tradeoff curve. [Learn more about these metrics and graphs](#)

Item count:

Confusion matrix

This table shows how often the model classified each label correctly (in blue), and which labels were most often confused for that label (in gray). Note that this table is limited to the 10 most confused labels. You can download the entire confusion matrix as a CSV file.

True label	Predicted label	
	dog	cat
dog	100%	—
cat	—	100%

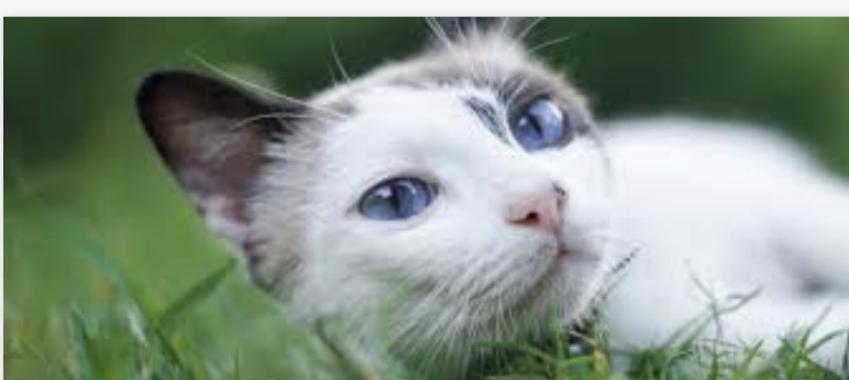
Test your model | [PREVIEW](#)

...

Item 1 of many

Filter labels

dog	0.000
cat	1.000



🔍 🔍 ⌚ ⚙️

Item 1 of many

Filter labels

dog	<div style="width: 100%;">1.000</div>
cat	<div style="width: 0%;">0.000</div>

