

مراجمة سيريمة لما سبق تعلمه بالدرس السابق



كيف تعمل الآلة ؟



ماهوالتعلمالعميق؛

ARTIFICIAL INTELLIGENCE

A program that can sense, reason, act, and adapt

MACHINE LEARNING

Algorithms whose performance improve as they are exposed to more data over time

DEEP LEARNING

Subset of machine learning in which multilayered neural networks learn from vast amounts of data



الحصة:

التاريخ:

المادة: تقنية رقمية 2

معلومات الررس



الوحدة الثانية: الذكاء الصناعي

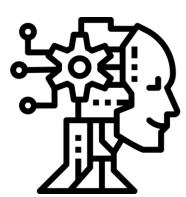
الدرس الثاني: تطبيقات الذكاء الصناعي

(الأهراف:



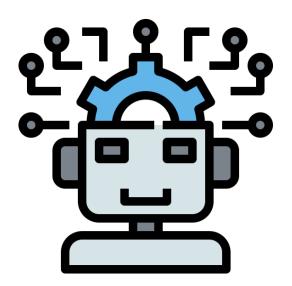
في نهاية درسنا الجميل سنكون قادرين بإذن الله على:

- تحديد التطبيقات المختلفة لتعلم الآلة.
 - كيفية إنشاء نموذخ تعلم الآلة.





ماذا نعني بتعلم الالة؟







DEEP LEARNING



التملم المعيق بحثاج





ثُم البيانات وقود النماذج في التمام الميق كلما كانت البيانات أكثر كلما كانت النتائج أفضل



يتعامل مع البيانات شديدة التعقيد بالنسبة





DEEP LEARNING



كيف يتم تحقيق ذلك ؟



٦- البيانات

2- الخوارزمية

3- الدالة

كيف پٽم تحقيق ذلك ؟





هي بيانات الإدخال، وعادة ما تأتي مع وصف (بيانات منظمة).



Canadian Institute for Cybersecurity



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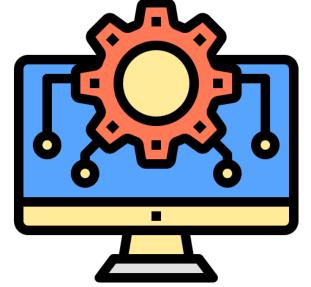
Cybersecurity Workshop >

DDoS Evaluation Dataset (CIC-DDoS2019)

Distributed Denial of Service (DDoS) attack is a menace to network security that aims at exhausting the target networks with malicious traffic. Although many statistical methods have been designed for DDoS attack detection, designing a real-time detector with low computational overhead is still one of the main concerns. On the other hand, the evaluation of new detection algorithms and techniques heavily relies on the existence of well-designed datasets.

In this paper, we first review the existing datasets comprehensively and propose a new taxonomy for DDoS attacks. Secondly, we generate a new dataset, namely CICDDoS2019, which remedies all current shortcomings. Thirdly, using the generated dataset, we propose a new detection and family classification approach based on a set of network flow features. Finally, we provide the most important

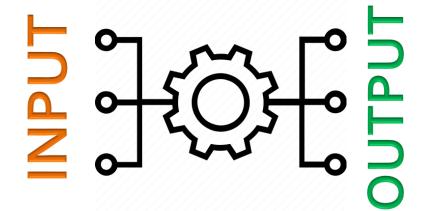
كيف پٽم تحقيق ذلك ؟





هي عبارة عن مجموعة من التعليمات التي تمت برمجة الحاسب لاتباعها من أجل معالجة مجموعة البيانات.

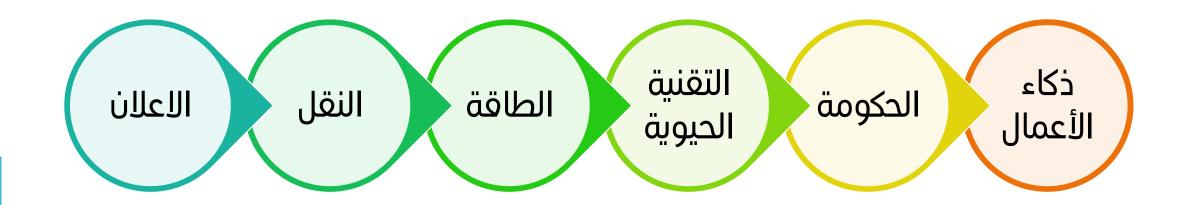
كيف يتم تحقيق ذلك ؟





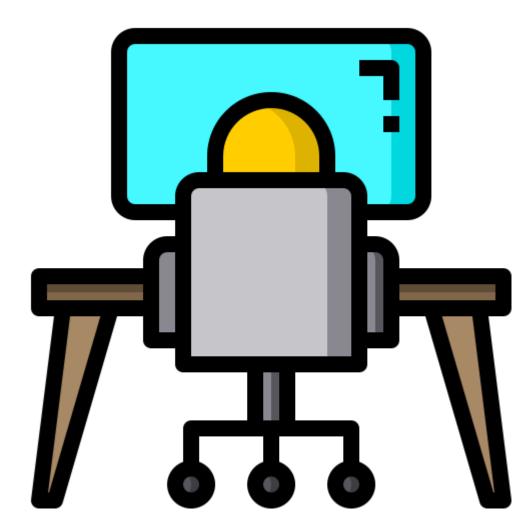
هي التعيين المستخرج لقيم الإدخال من مجموعة البيانات إلى مجموعة محددة بوضوح من قيم الإخراج أو النتائج.

أمثلة لتطبيقات الآلة في مجالات مختلفة





تُطيق عملي ممتع



الأدوات

- ×

ML FOR KIDS

حوالي ٥٢٢،٠٠٠،٠٠٠ نتيجة (٥,٥٨ ثانية)

https://machinelearningforkids.co.uk ▼ ترجم هذه الصفحة

Machine Learning for Kids

An educational tool for teaching kids about machine learning, by letting them train a computer to recognise text, pictures, numbers, or sounds, and then ...

Worksheets

An educational tool for teaching kids about machine learning, by ...

Log In

An educational tool for teaching kids about machine learning, ...

Pre-trained models

An educational tool for teaching kids about machine learning, ...

Help

An educational tool for teaching kids about machine learning, ...

« machinelearningforkids.co.uk مزيد من النتائج من

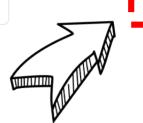
أسئلة طرحها الآخرون

~	How do I teach my child ML?
~	Can kids learn machine learning?

.

How kide can loarn A12

مشاهدة نتائج حول Artificial Intelligence کتاب من قبل دیل لین ...roduction to Artificial Intelligence





By: Reem.M.A @Mrsreem

Teach a computer to play a game

Collect examples of things you want to be able to recognise

Use the examples to train a computer to be able to recognise them

Make a game in Scratch that uses the computer's ability to recognise them

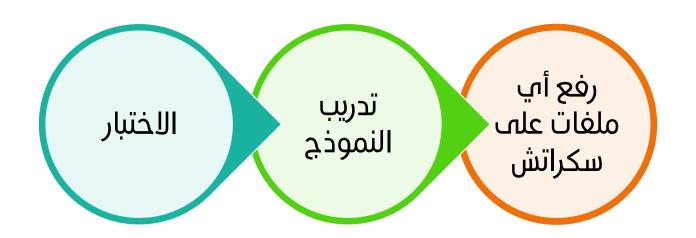
Get started

Learn more

مراحل أي مشروع في تعلم الآلة

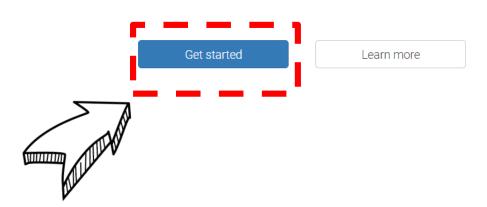


مراحل مشروعنا الحالي





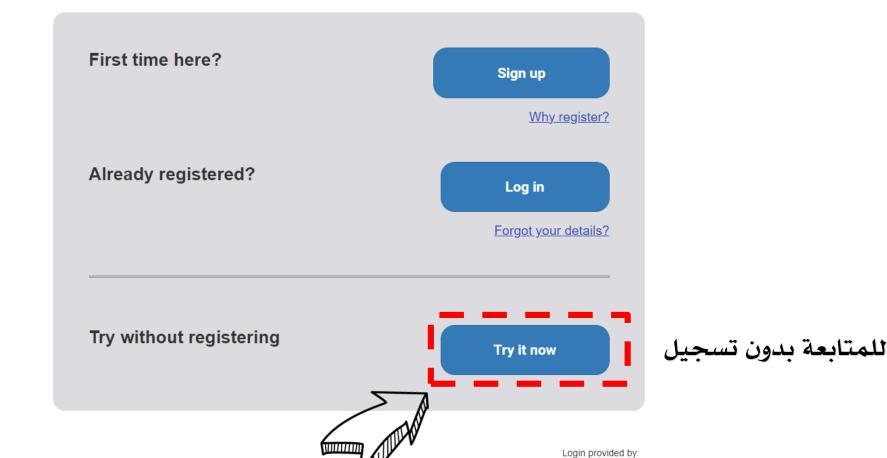
Teach a computer to play a game



- Collect examples of things you want to be able to recognise
- Use the examples to train a computer to be able to recognise them
- Make a game in Scratch that uses the computer's ability to recognise them

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Get started with machine learning



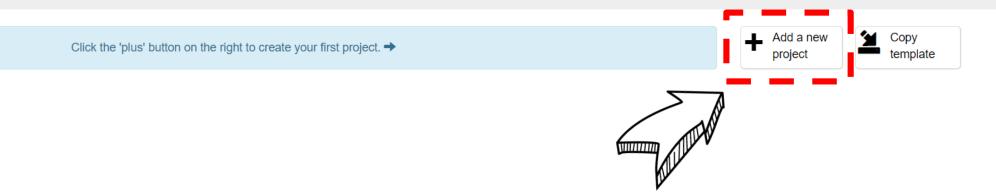
Language

By: Reem.M.A @Mrsreem



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Your machine learning projects



Language



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Start a new machine learning project



إضافة اسم المشروع

Give your project a name to describe what sort of thing you'll try to teach the computer to recognise.

Recognising

CREATE

CANCEL

Project Name *

project1

Give your project a name to describe what sort of thing you'll try to teach the computer to recognise.

Recognising

CREATE

CANCEL

Language

By: Reem.M.A @Mrsreem



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Start a new machine learning project

Project Name *

project1



By: Reem.M.A @Mrsreem



يمكن تعليم الحاسب بالـ(النصوص، الصور، الأرقان، الأصوات)

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Start a new machine learning project

Project Name *

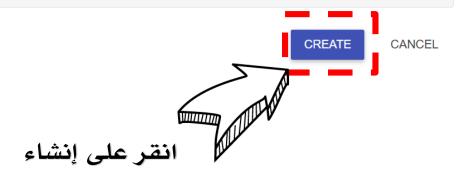
project1

Recognising *

images

What type of thing do you want to teach the computer to recognise?

For words, sentences or paragraphs, choose "text"
For photos, diagrams and pictures, choose "images"
For sets of numbers or multiple choices, choose "numbers"
For voices and sounds, choose "sounds"



Language

By: Reem.M.A @Mrsreem



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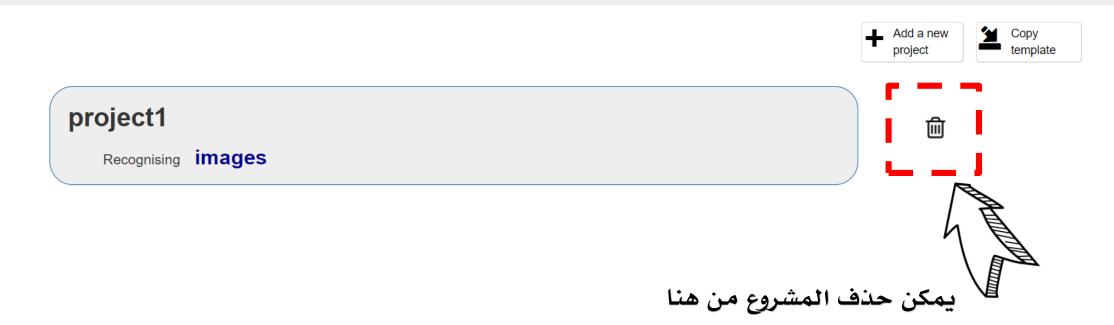
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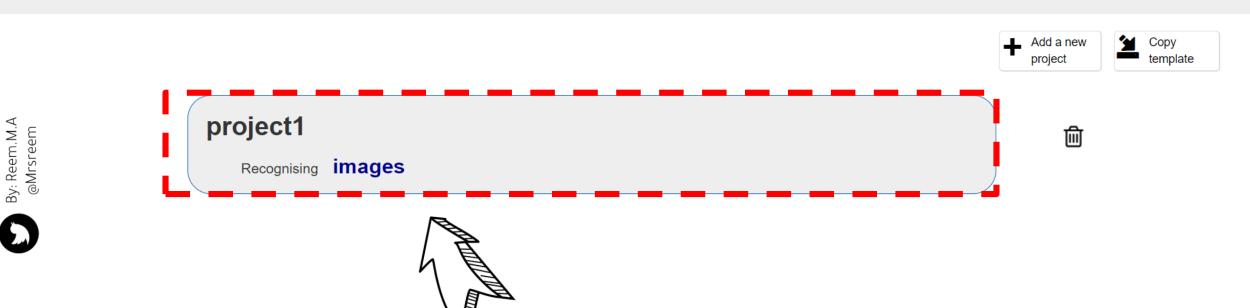


Language

By: Reem.M.A @Mrsreem

Your machine learning projects

Language



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"project1"

By: Reem.M.A @Mrsreem

Train

Collect examples of what you want the computer to recognise

Train

Learn & Test

Use the examples to train the computer to recognise images

Learn & Test

Make

Language

Use the machine learning model you've trained to make a game or app, in Scratch, Python, or App Inventor

Make



انقر على تدريب

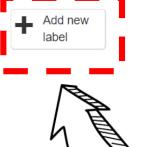


About Projects Worksheets Pretrained Book News Help Log Out Language

Recognising images

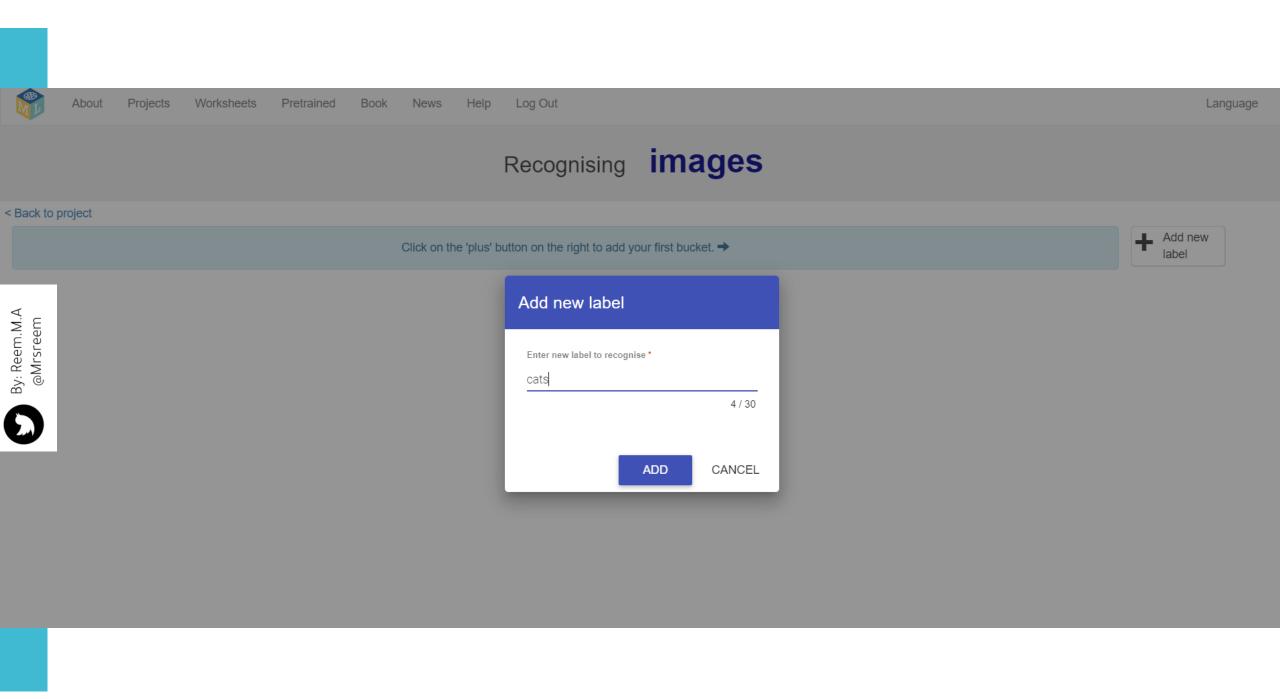
< Back to project

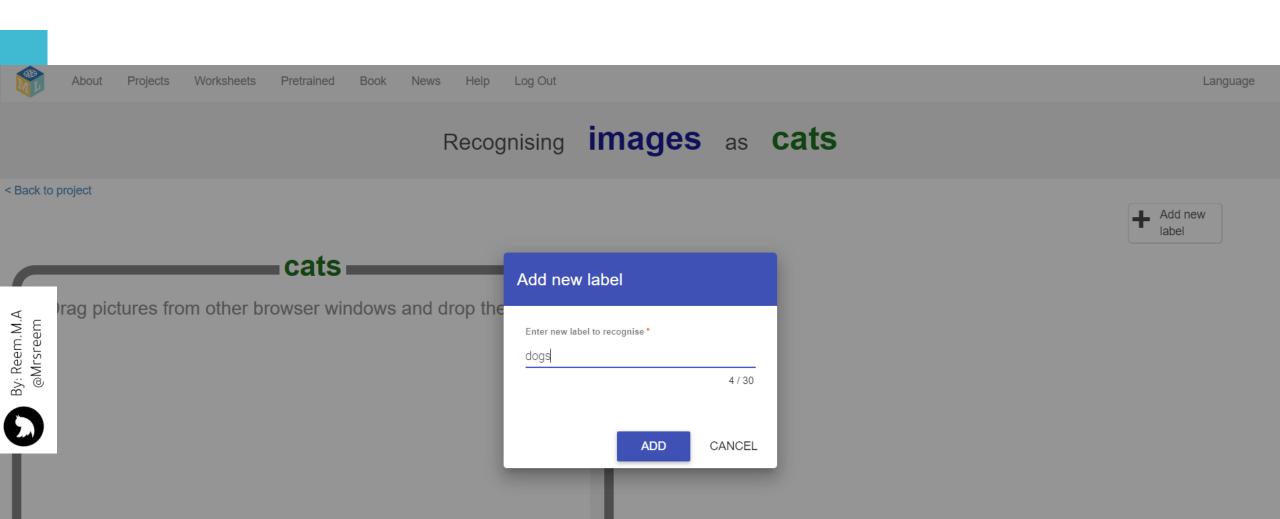
Click on the 'plus' button on the right to add your first bucket. →











By: Reem.M.A @Mrsreem

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باللغة العربية

Photos for Machine Learning

Ships



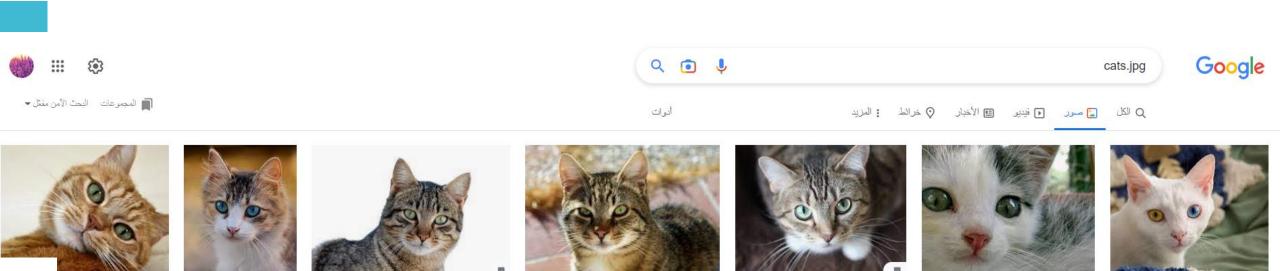


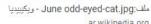






يمكنكم التقيد بتصنيفات الكتاب ولكن نريد التغيير





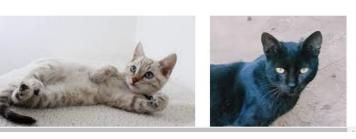
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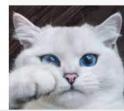




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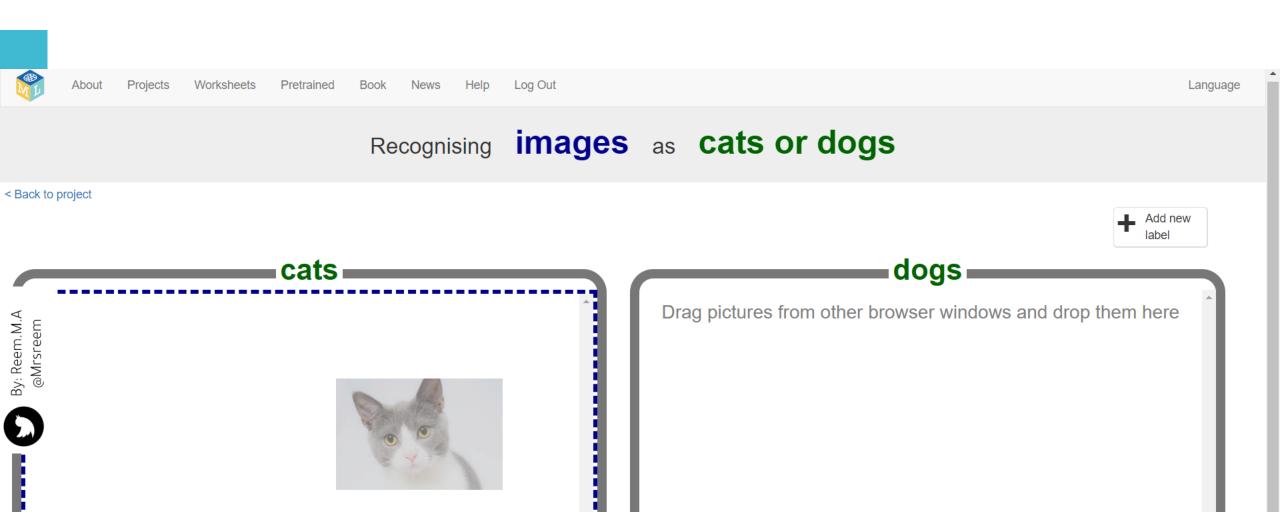
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Cats | Julie Austin Photography

jaustinphotography.com

By: Reem.M.A

@Mrsreem



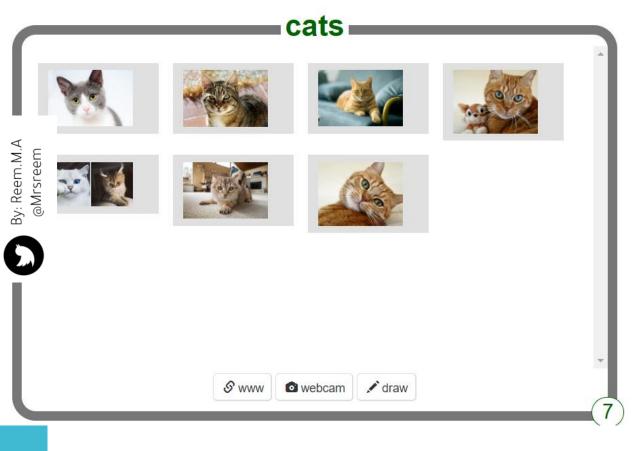
webcam

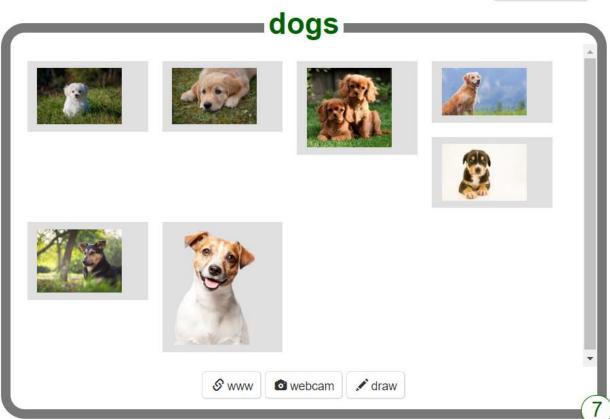
🖍 draw

webcam

✓ draw







"project1"

Train

Collect examples of what you want the computer to recognise

Train

Learn & Test

Use the examples to train the computer to recognise images

Learn & Test

Make

Use the machine learning model you've trained to make a game or app, in Scratch, Python, or App Inventor

Make



الصور تُحفظ تلقائيًا نذهب الآن إلى تعليم واختبار النموذج



Log Out About **Projects** Worksheets Pretrained Book News

Machine learning models

Language

< Back to project







What have you done?

You have collected examples of images for a computer to use to recognise when images are cats or dogs.

You've collected:

Info from training computer:

- 7 examples of cats,
- 7 examples of dogs

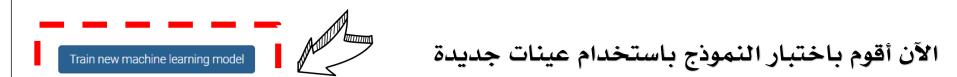
What's next?

Ready to start the computer's training?

Click the button below to start training a machine learning model using the examples you have collected so far

(Or go back to the Train page if you want to collect some more examples first.)





What have you done?

You have trained a machine learning model to recognise when images are cats or dogs.

You created the model on Tuesday, September 27, 2022 7:53 PM.

You have collected:

- 7 examples of cats,
- 7 examples of dogs

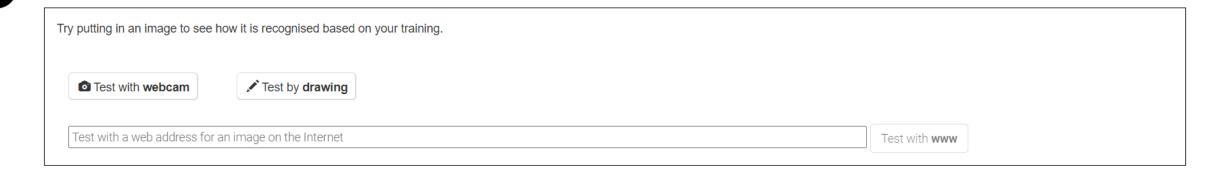
What's next?

Try testing the machine learning model below. Enter an example image below, that you didn't include in the examples you used to train it. It will tell you what it recognises it as, and how confident it is in that.

If the computer seems to have learned to recognise things correctly, then you can go to Scratch and use what the computer has learned to make a game!

If the computer is getting too many things wrong, you might want to go back to the Train page and collect some more examples

Once you've done that, click on the button below to train a new machine learning model and see what difference the extra examples will make!



What have you done?

You have trained a machine learning model to recognise when images are cats or dogs.

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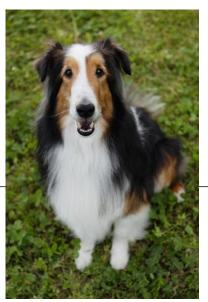
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بنفس طريقة السحب والافلات السابقة نضعها هنا

اخترت هذه الصورة





Try putting in an image to see how it is recognised based on your training.

Test with webcam

Test by drawing

https://hips.hearstapps.com/ghk.h-cdn.co/assets/17/30/shetland-sheep-dog.jpg

Test with www

Recognised as dogs with 100% confidence



رائع جدًا , لاحظوا أنه تعرف على صورة الكلب الجديد وطابقه بنسبة 100%

اخترت هذه الصورة



Try putting in an image to see how it is recognised based on your training.

Test with webcam

Test by drawing

https://www.rd.com/wp-content/uploads/2021/04/GettyImages-988013222-scaled-e1618857975729.jpg

Test with www

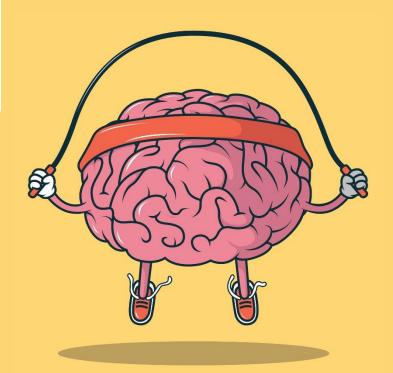
Recognised as **cats** with 98% confidence



نتيجة ممتازة , لاحظوا أنه تعرف على صورة القطة الجديدة وطابقها بنسبة 98%

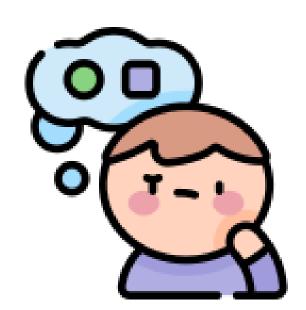


التقويم الختامي





صف ثلاثة تطبيقات مختلفة حيث يمكن استخدام تعلم الآلة



مادا تعلمنا البوم؟



الواجب المنزلي:

التطبيق العملي لعينات جديدة لدرس اليوم

