**Training Our Own AI Model**

**Task:**

Using Machine Learning for Kids (ML4K) to train an AI model to identify between at least 3 categories and assign labels to them (e.g., between dogs, hamsters, rats and cats or rock, paper and scissors).

ML4K: <https://machinelearningforkids.co.uk/#!/login>

1. Click 'Try it now' next to try without registering (Warning: The project on the site will be deleted after 4 hours; for larger projects or if you like to save your projects, you will need to log in through your teacher).
2. Click Add new project.
3. Name your project, select project type (for most of you, it will be recognising images) and select store in the cloud.
4. Click on the project, then select train.
5. Add labels for the different categories and upload 5 images of each from the web or your webcam (Drag and drop the images from the web).
6. Go back to the project and select learn and test.
7. Train the model and then upload test images using your webcam or the web (On Google, right click the image => Open image in new tab => copy the URL => paste URL into the box).
8. Observe the results and make sure to test for a variety of images, including ones that do not fit into any of your categories.

Where did your model succeed and where did it fail?

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Why is using diverse and accurate data to train the model important?

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