

Collecting a dataset

 coursera.org/learn/uol-machine-learning-for-all/supplement/ksF9r/collecting-a-dataset

You now need to work on your main exercise for this topic: collecting a data set of your own and training a model.

What you need to do is:

- Choose a task that you want the machine learning algorithm to learn. That will be a classification task: putting images into classes.
- Choose 2 or 3 classes appropriate to your task and that you think machine learning will be able to distinguish.
- Collect data for each task (between 20 and 40 examples of each class should work). Each example should be an image, you could take photographs yourself or use existing images.
- Divide your dataset into a training and testing set.
- Use the plugin in the next activity to train a model on your dataset, in the same way as you have trained with the datasets we gave you last week.
- Use your testing set to evaluate how well your classifier works. How many examples did it get right?
- If necessary try to improve the result by collecting more data, or maybe changing the tasks slightly.

After the main exercise you will be asked to reflect on your results.