Section 13.10 Notes - Common Issues

An area we have not covered in the lectures is generating artifacts in the CI. If you wish to persist the trained model between jobs, then you can use Circle CI artifacts:

https://circleci.com/docs/2.0/artifacts/

Most CI platforms have a similar mechanism (often used for publishing test result reports).

How to increase memory:
https://discuss.circleci.com/t/increase-4g-memory-limit/9070/5

Using GPUs on Circle CI:
https://circleci.com/docs/2.0/gpu/

Alternative resource classes
https://circleci.com/docs/2.0/configuration-reference/#resource_class

Running Keras models on a GPU:
https://keras.io/getting-started/faq/#how-can-i-run-keras-on-gpu

Loading Keras datasets that do not fit in memory:
https://keras.io/getting-started/faq/#how-can-i-use-keras-with-datasets-that-dont-fit-in-memory

Python Environment setup for deep learning on Windows 10:
https://towardsdatascience.com/python-environment-setup-for-deep-learning-on-windows-10-c373786e36d1