Tensorflow with GPU and CPU

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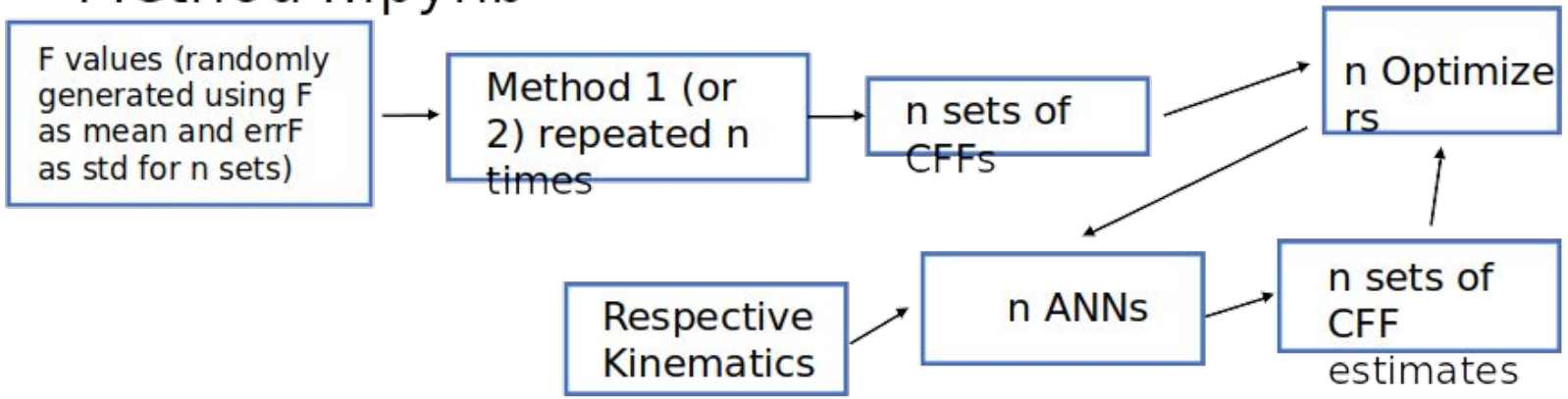
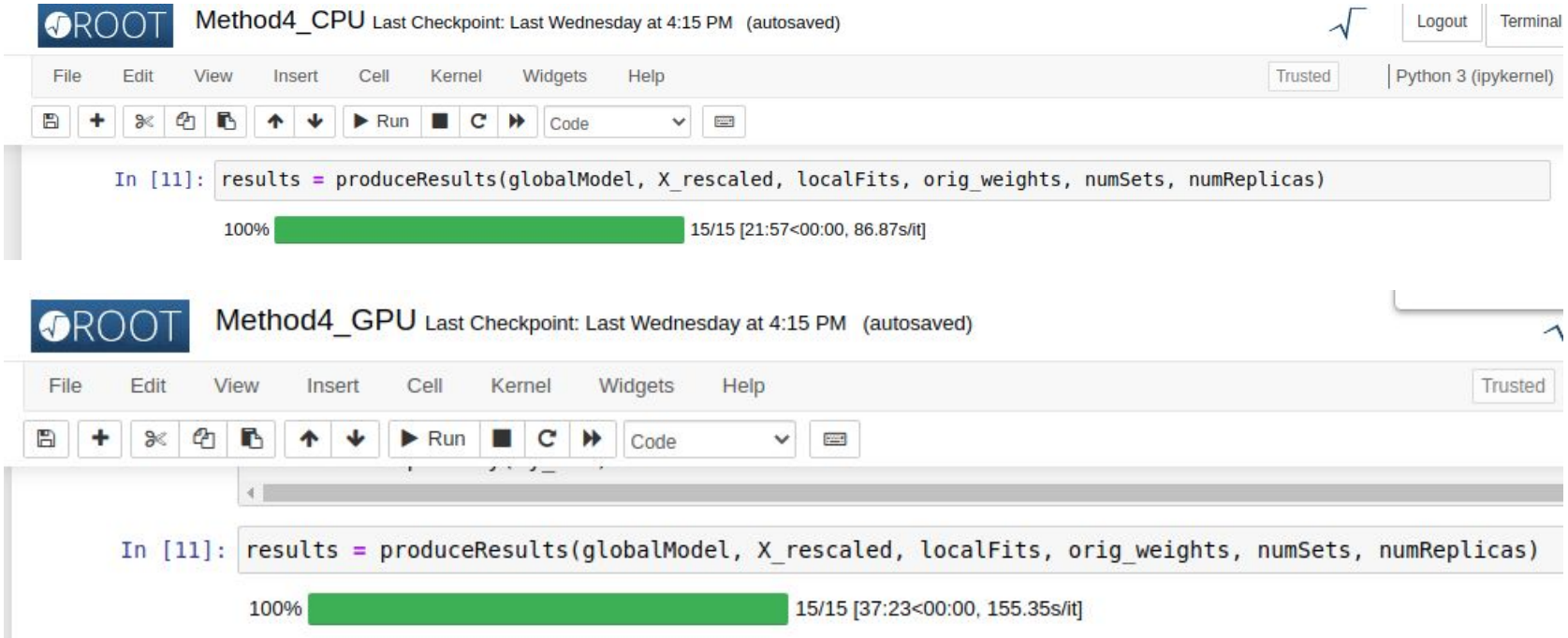
Using Method 4 in Nick's GitHub folder: (refresher)

- Kinematic sets are fitted locally to find CFFs, and then those CFFs are predicted using an ANN with Kinematics as inputs. An implementation can be found in "Method4.ipynb"

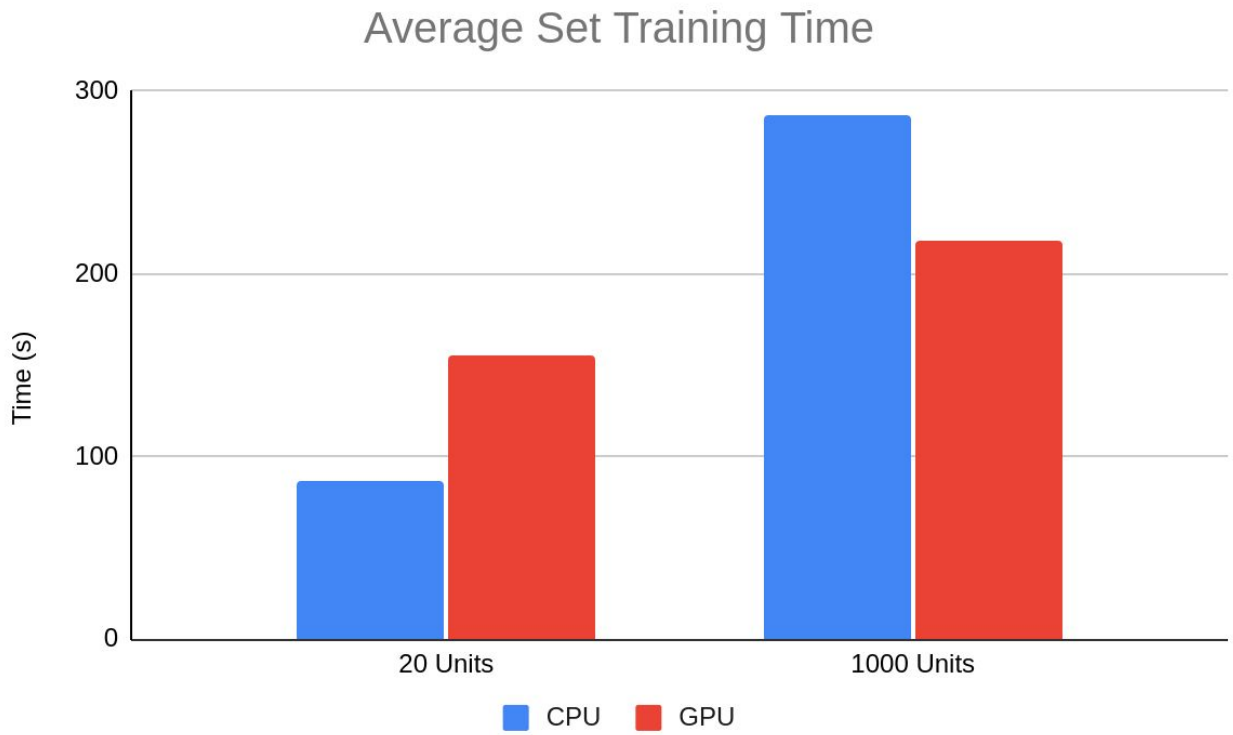


When CUDA is installed, GPU used automatically

This isn't necessarily quicker:



More complex ANNs benefit from GPU



Didn’t have time to make a plot

Adding additional layers also makes GPU have an advantage over CPU.

In summary, if GPU enabled, make sure to switch to CPU for simple ANNs but use GPU for more complicated ANNs.

This is done by adding this code at the beginning of the the script:

```
import os
os.environ['CUDA_VISIBLE_DEVICES'] = '-1'
```