**How to Use The “RNN Trainer” Jupyter Notebook**

**Packages:**

Presumably cv2 has been downloaded for your Jupyter environment by now, because you’ve run one of the other data preprocessing scripts. If it hasn’t, this script will fail anyway, as it searches for ‘train\_data\_rnn.z’ in the images directory, which you won’t have

**RNN Building and Training:**

The RNN is quite small, as it inputs and outputs 2048-dimension vectors. If the dimensionality of the vectors is expanded, it may be worth considering making the RNN have an extra dropout layer, but I would be surprised if this had any appreciable yields (on the flip side, it will almost certainly contribute nearly nothing to training time as it is already a sub-10 minute script on my machine).

Sorry for the short doc, but the notebook has about as many imports as lines of other code.