

DenseNet-161 Inference - Update

- Tested approx model by running evaluation script on Google Colab. Model inference rate was very slow. Did profiling to understand which operation was taking more time. Found that each convolution operation was taking ~7-8 minutes. Logged in *Output.txt* for a few iterations for your reference.
- Found out that the code-segment having look-up logic was taking the most time.
- Modified convolution logic and other tests to reduce look-up time to ~0.007 seconds. Logged in *lookup_time.txt* for your reference.
- Currently giving a run over 1 image for approx conv layer in conv2 layer of decoder. Will update further once the run completes to comment on error metrics/performance
- Next Steps:
 - Give run over other layers of model with approx convolution and check error metrics and performance.