0: loss: 0.4690 - acc: 0.8081 - val\_loss: 0.4875 - val\_acc: 0.7975

1: adding padding=’same’

loss: 0.4838 - acc: 0.7987 - val\_loss: 0.3975 - val\_acc: 0.8375

2: switch from filter (3, 3) to (5, 5) (REVERTED)

loss: 0.4938 - acc: 0.7923 - val\_loss: 0.4152 - val\_acc: 0.8371

3: adding: model.add(Conv2D(128, (3, 3), padding=**'same'**, activation=**'relu'**))  
model.add(MaxPooling2D(pool\_size=(2, 2)))

loss: 0.3993 - acc: 0.8351 - val\_loss: 0.3311 - val\_acc: 0.8609

4: adding another: model.add(Conv2D(128, (3, 3), padding=**'same'**, activation=**'relu'**))  
model.add(MaxPooling2D(pool\_size=(2, 2))) (REVERTED)

loss: 0.4925 - acc: 0.7811 - val\_loss: 0.3759 - val\_acc: 0.8277

5: Changing filters to [32, 64, 64, 128, 128]

0.3912 - acc: 0.8394 - val\_loss: 0.2987 - val\_acc: 0.8724

6: Changing filters to [64, 64, 64, 128, 128] and changed batch size 64 -> 32 (was OOM)

0.3617 - acc: 0.8582 - val\_loss: 0.3217 - val\_acc: 0.8603

7. Reverting back to filters = [32, 64, 64, 128, 128] (Keeping batch size @ 32)

loss: 0.3748 - acc: 0.8534 - val\_loss: 0.3005 - val\_acc: 0.8624

8. Changing batch size back to 64 (should be same as #5)

loss: 0.3922 - acc: 0.8355 - val\_loss: 0.3591 - val\_acc: 0.8579

9. Changing batch size to 32. Filters = [64, 64, 128, 128, 256]

loss: 0.3231 - acc: 0.8711 - val\_loss: 0.2784 - val\_acc: 0.8863

10. Changing filters to [128, 128, 256, 256, 512]. Changing batches to 16.

Dropped to ~.333 val\_acc

11. Filters to [128, 128, 256, 256, 256].

loss: 0.3909 - acc: 0.8528 - val\_loss: 0.3099 - val\_acc: 0.8691

INCEPTION\_V3:

loss: 0.7816 - acc: 0.6445 - val\_loss: 3.3576 - val\_acc: 0.3594

12. Adding filters -> [128, 128, 256, 256, 256, 256, 256]

Dropped to ~.333 val\_acc

13. Back to Filters = [128, 128, 256, 256, 256]. 5 epochs.