Plant, Soil and Weed Identification

Grad Team 6

Jagadeesh Puvvula, Sriram Srinivasan, Thallon Pitchure

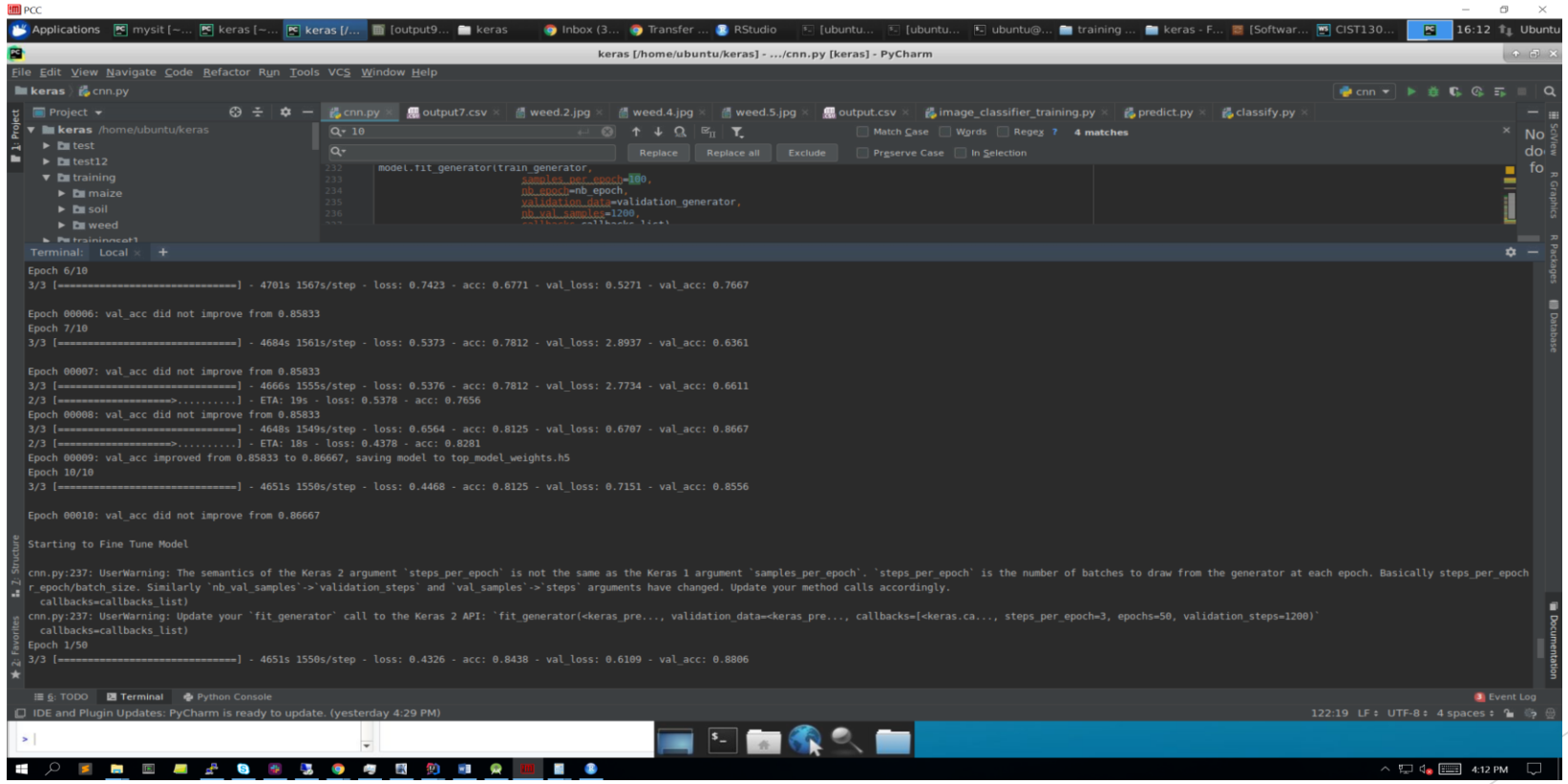
Preprocess the RGB data

- Simplified the given data
- Set Image size
- Convert to grayscale
- Set Classification Categories (1-3)
- Note: Converting RGB to hexadecimal value is a terrible idea

Data Augmentation & Batch Size

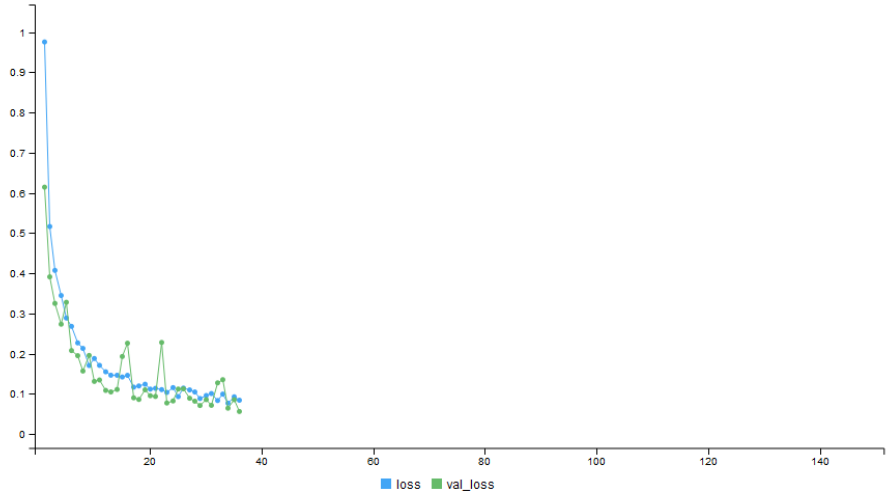
- Horizontal Flip
- Rotation
- Rescale
- Sheer Range
- Echo:- 10-150
- Batch Size:- 10-16

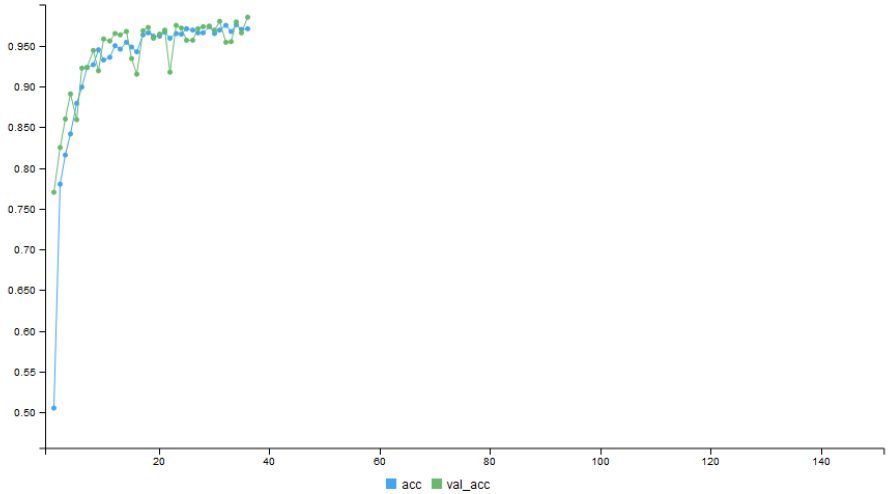
Xception(48 Hours including Tuning)



Final Predictions

- Using the Keras package we generated approx 98.33% accuracy with initial Kaggle submission
- Xception Model took time 48 hours (including Tuning)





Thank You!