



Cassava Disease Identification



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Cassava

- Third largest source of carbohydrates in the world
- Tuber like potatoes and yams



Cassava Diseases

Viruses are the primary reason for the complete lack of yield increases in the 25 years up to 2019.

- Cassava Brown Streak Disease
- Cassava Mosaic Disease
- Cassava Green Mottle
- Cassava Bacterial Blight



Data

~5000 photos of cassava plant leaves

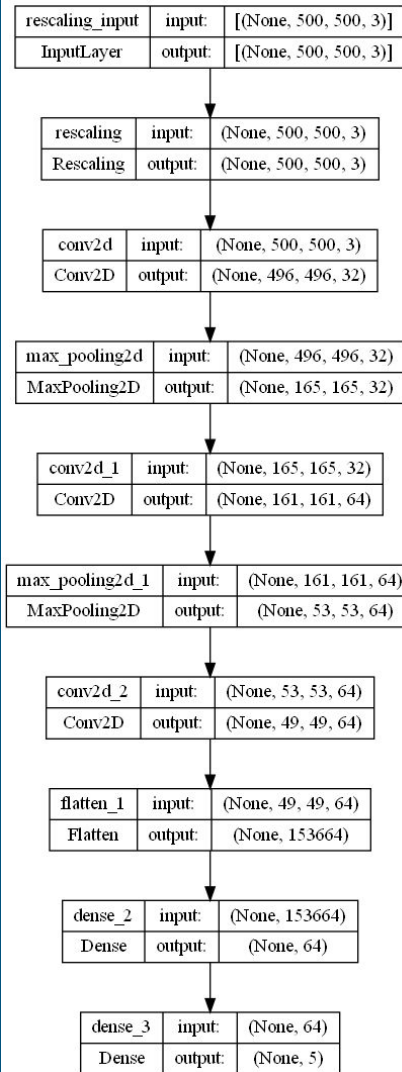
~1000 of each disease and ~1000 healthy plants

Model

CNN Convolutional Neural Network

loss: 0.0627 - accuracy: 0.9867

val_loss: 3.2965 - val_accuracy: 0.5111



Going forward

Use better hardware or access colab premium plus

Create additional data