

IMAGE CLASSIFICATION

Poisonous Mushrooms OR
NOT Poisonous Mushrooms

Data Collection

- The plan was to collect data using a library on Github called Flickr Scraper
- Collect top five most deadly poisonous mushrooms combined with edibles mushrooms
- Use Pillow to alter the images on my computer
- Fortunately, I came across a mushroom image data set on Kaggle
- Came from 9 common families of mushrooms

Data Description

- Before it was uploaded for Modeling, the data was divided into training, test, validation



Amanita



Boletus



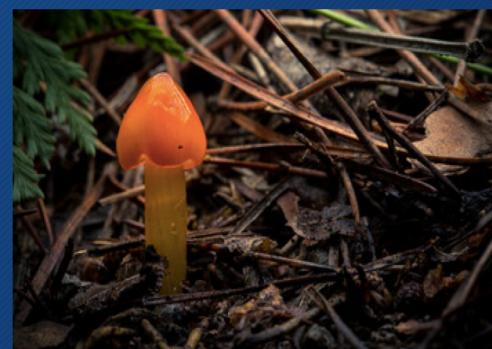
Agaricus



Suillus



Cortinarius



Hygrocybe



Entoloma



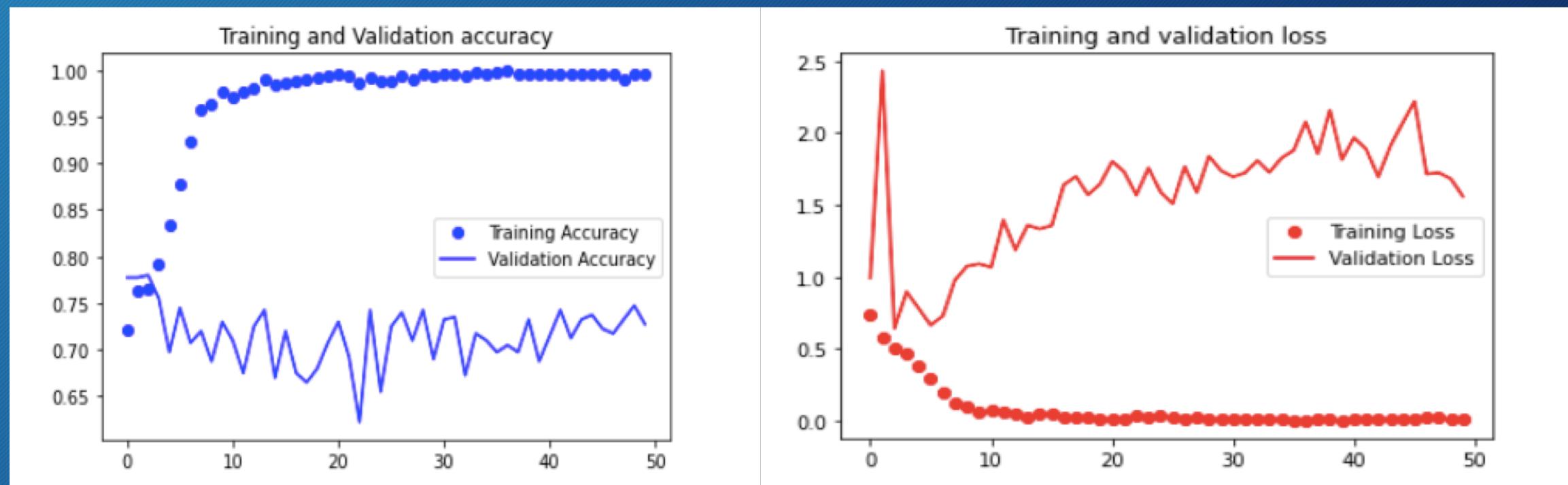
Russula



Lactarius

Modelling

- Only focused on Poisonous or Not Poisonous Mushrooms. The Test Accuracy Score was only 70%.



Plan of Action

- Improve the validation accuracy and loss for my model
- Run my model on AWS for efficiency
- Trading off precision and recall
- Create my own data set and compare
- Improving the model with data augmentation
- Comparing the binary model to a categorical model