4.19.20

Kelly Chinn

Kal Academy AI Bootcamp Assignment 4

CNN model – Food Preprocessing

Model: CNN with 3 Convolutional Layers

Accuracy: 1.0

How I chose my model:

This seemed to be a pretty straightforward assignment. When we first covered CNN I made a model to play around with, to classify photos of my two kids. I used the sample code you provided and just changed it to use my own photo sets. So for this assignment, I took that same code again and adapted it to use the new photo sets.

I tinkered with 2 and 3 Convolutional layers, and changed various other parameters like epochs, batch size, and Dense layer units. But since there were only two different images used, one for Alert and one for Acceptable, the accuracy got to 1.0 pretty quickly in all the variations, so it wasn't possible to tell if there were improvements with the different changes.

Other notes:

My first code was in Spyder. I then did it in Colab so I could learn the different syntax. It was interesting to see what was different, and to try to figure out why some things like the classifier.evaluate function didn't work the same way in the different formats. Overall, a fun assignment!