$05_05_7:15:31PM$

Incredably accurate for some reason. Even though it's only using two epochs.

- Headless "feature_extractor_model"
- $\bullet \quad classifier_model = \text{``https://tfhub.dev/google/tf2-preview/mobilenet_v2/classification/4''}$
- $\bullet \ \ From \ this \ tutorial \ https://github.com/tensorflow/docs/blob/master/site/en/tutorials/images/transfer_lawledges/tra$

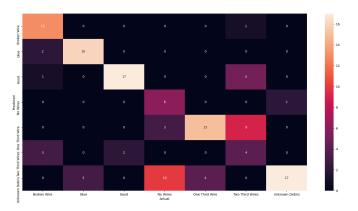
```
batch_size = 32
img_height = 224
img_width = 224
```

https://github.com/tensorflow/docs/blob/master/site/en/tutorials/images/transfer_learning_with_hub.ipyn### Model Summary Model: "sequential_1"

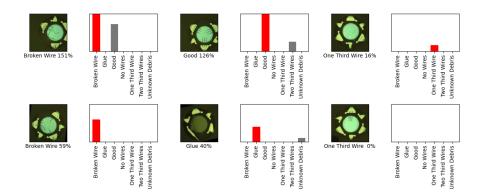
keras_layer_1 (KerasLayer) (None, 1280)	Param #
	2257984
dense (Dense) (None, 7)	8967

Total params: 2,266,951 Trainable params: 2,232,839 Non-trainable

params: 34,112 ______



Confusion Matrix



Random Samples

Dataframe predictions "' predicted actual confidence path 0 One Third Wire One Third Wire -0.302736 one_thirds_wires/augmented_image_3.jpg 1 Unknown Debris One Third Wire 0.465405 one_thirds_wires/augmented_image_2.jpg 2 One Third Wire One Third Wire -0.302736 one_thirds_wires/augmented_image_1.jpg 3 Unknown Debris One Third Wire 0.399917 one_thirds_wires/augmented_image_5.jpg 4 One Third Wire One Third Wire 0.150800 one_thirds_wires/augmented_image_4.jpg 128 Two Third Wires Two Third Wires 1.885084 two_thirds_wire/augmented_image_12.jpg 129 Two Third Wires Two Third Wires -0.481660 two_thirds_wire/augmented_image_16.jpg 130 One Third Wire Two Third Wires 1.598302 two_thirds_wire/augmented_image_17.jpg 131 One Third Wire Two Third Wires 0.420499 two_thirds_wire/augmented_image_15.jpg 132 One Third Wire Two Third Wires 0.841929 two_thirds_wire/augmented_image_14.jpg

[133 rows x 4 columns] ""