

**CNNv2.e097.val\_acc\_0.91117.h5**

Jorden\_net earlystopping model checkpoint

## **Stats**

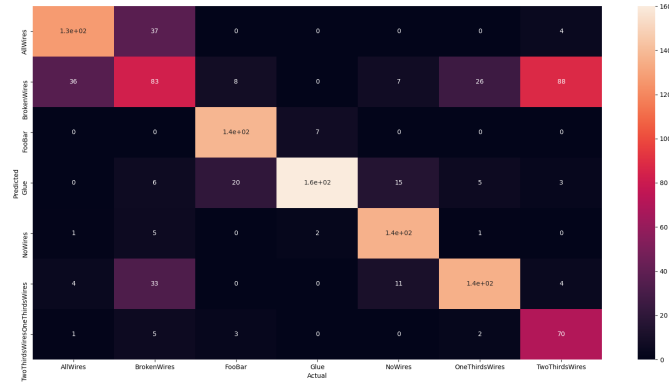
Total Tests: 1183  
correct predictions: 849  
incorrect predictions: 334  
Percentage correct: 71.77%

=====

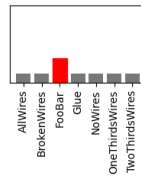
Most missed predictions

AllWires: 42  
BrokenWires: 86  
FooBar: 31  
Glue: 9  
NoWires: 33  
OneThirdsWires: 34  
TwoThirdsWires: 99

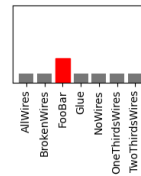
## Confusion Matrix



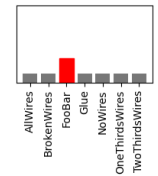
FooBar 31%



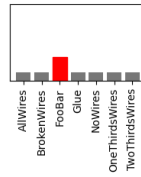
FooBar 31%



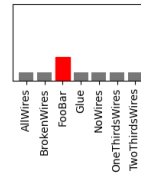
FooBar 31%



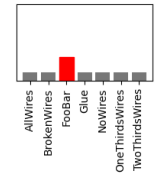
FooBar 31%



FooBar 31%



FooBar 31%



### Random Samples

### Model Summary Model: "sequential"

| Layer (type)                     | Output Shape         | Param # |
|----------------------------------|----------------------|---------|
| rescaling (Rescaling)            | (None, 480, 480, 3)  | 0       |
| conv2d (Conv2D)                  | (None, 480, 480, 16) | 448     |
| conv2d_1 (Conv2D)                | (None, 480, 480, 16) | 2320    |
| max_pooling2d (MaxPooling2D)     | (None, 240, 240, 16) | 0       |
| conv2d_2 (Conv2D)                | (None, 240, 240, 32) | 4640    |
| conv2d_3 (Conv2D)                | (None, 240, 240, 32) | 9248    |
| batch_normalization (BatchNormal | (None, 240, 240, 32) | 128     |
| max_pooling2d_1 (MaxPooling2     | (None, 120, 120, 32) | 0       |
| conv2d_4 (Conv2D)                | (None, 120, 120, 32) | 9248    |

|   |                      |       |  |
|---|----------------------|-------|--|
| conv2d_5 (Conv2D)   | (None, 120, 120, 32) | 9248  |  |
| max_pooling2d_2 (MaxPooling2D)                                | (None, 60, 60, 32)   | 0     |  |
| conv2d_6 (Conv2D)   | (None, 60, 60, 32)   | 9248  |  |
| conv2d_7 (Conv2D)   | (None, 60, 60, 32)   | 9248  |  |
| max_pooling2d_3 (MaxPooling2D)                                | (None, 30, 30, 32)   | 0     |  |
| conv2d_8 (Conv2D)   | (None, 30, 30, 32)   | 9248  |  |
| conv2d_9 (Conv2D)   | (None, 30, 30, 32)   | 9248  |  |
| max_pooling2d_4 (MaxPooling2D)                                | (None, 15, 15, 32)   | 0     |  |
| conv2d_10 (Conv2D)  | (None, 15, 15, 32)   | 9248  |  |
| conv2d_11 (Conv2D)  | (None, 15, 15, 32)   | 9248  |  |
| max_pooling2d_5 (MaxPooling2D)                                | (None, 7, 7, 32)     | 0     |  |
| conv2d_12 (Conv2D)  | (None, 7, 7, 64)     | 18496 |  |
| max_pooling2d_6 (MaxPooling2D)                                | (None, 2, 2, 64)     | 0     |  |
| flatten (Flatten)   | (None, 256)          | 0     |  |
| dense (Dense)   | (None, 128)          | 32896 |  |
| dropout (Dropout)   | (None, 128)          | 0     |  |
| dense_1 (Dense)   | (None, 32)           | 4128  |  |
| dense_2 (Dense)   | (None, 32)           | 1056  |  |
| dense_3 (Dense)   | (None, 7)            | 231   |  |
| Total params: 147,575 Trainable params: 147,511 Non-trainable |                      |       |  |
| params: 64  |                      |       |  |