Model: "sequential"

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Layer (type) Output Shape Param #

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conv2d (Conv2D) (None, 48, 48, 32) 544

conv2d\_1 (Conv2D) (None, 48, 48, 32) 16416

conv2d\_2 (Conv2D) (None, 48, 48, 64) 32832

conv2d\_3 (Conv2D) (None, 48, 48, 64) 65600

conv2d\_4 (Conv2D) (None, 48, 48, 64) 65600

conv2d\_5 (Conv2D) (None, 48, 48, 64) 65600

max\_pooling2d (MaxPooling2 (None, 24, 24, 64) 0

D)

conv2d\_6 (Conv2D) (None, 24, 24, 128) 131200

conv2d\_7 (Conv2D) (None, 24, 24, 128) 262272

conv2d\_8 (Conv2D) (None, 24, 24, 128) 262272

conv2d\_9 (Conv2D) (None, 24, 24, 128) 262272

max\_pooling2d\_1 (MaxPoolin (None, 12, 12, 128) 0

g2D)

conv2d\_10 (Conv2D) (None, 12, 12, 256) 524544

conv2d\_11 (Conv2D) (None, 12, 12, 256) 1048832

conv2d\_12 (Conv2D) (None, 12, 12, 256) 1048832

conv2d\_13 (Conv2D) (None, 12, 12, 256) 1048832

max\_pooling2d\_2 (MaxPoolin (None, 6, 6, 256) 0

g2D)

flatten (Flatten) (None, 9216) 0

dropout (Dropout) (None, 9216) 0

batch\_normalization (Batch (None, 9216) 36864

Normalization)

dense (Dense) (None, 32) 294944

dropout\_1 (Dropout) (None, 32) 0

batch\_normalization\_1 (Bat (None, 32) 128

chNormalization)

dense\_1 (Dense) (None, 32) 1056

dense\_2 (Dense) (None, 4) 132

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Total params: 5168772 (19.72 MB)

Trainable params: 5150276 (19.65 MB)

Non-trainable params: 18496 (72.25 KB)

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