Q1. Original Model:

Input Layer; data type: Float 32; input: [(None, 28,28,1)]; output: [(Nane, 28,28,1)]

Convolution Layer (2D); data type: Float 32; input [(None, 28,28,1)], [(None, 36,26,33)]

activation = celu

Convolution layer (2D); data type: Float 32; input [(None, 26,26,32)]; output [(None, 24,24,64)]

Max Roaling 2D Layer; data type: Float 32; input [(None, 24,24,64)]; output [(None, 12,12,64)]

Platten Layer; data type: Float 32; input [(None, 12,12,64)]; output [(None, 9216)]

Dense Layer; data type: Float 32; input [(None, 9216)]; output [(None, 9216)]

activation = 50ftmax

Q2. My New Model:

[Input Layer; data type: Float 32; input [(None, 28, 28, 1)]; output [(None, 28, 28, 1)]

Convolution Layer (2D); data type: {loat32; input[(None, 28, 28, 1)], output[(None, 26, 26, 32)]

>activation = relu

Canualution Layer (20); data type: float32; input[(None, 26, 26, 32)], output[(None, 24, 24, 64)]

Flatten Layer; datatype: float 32; input [(None, 24, 24, 64)], output [(None, 36864)]

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Dense Layer: data type: Float 32; input [(None, 36864)], output [(None, 10)]

activation = softmax

Notes: - I removed the max pooling layer

-I set the learning rate to 0.009

-I set the botch size to 150