Activation	Batchnorm	Dropout	Accuracy	Epochs
ELU	Yes	Yes	0.8321	50
ELU	Yes	Yes	0.7786	20
ReLU	Yes	No	0.7333	20
ReLU	No	Yes	0.5342	20
PreLU	Yes	Yes	0.7434	20
Tanh	Yes	Yes	0.6813	20
Sigmoid	Yes	Yes	0.6561	20

## Architecture:

2D Convolution layer:

->32 filters

->3x3

->padding

BN(elu)

2D Convolution layer: 32 filters, 3x3

BN(elu)

Max pooling 2x2 Dropout: 0.1

2D Convolution layer: 64 filters, 3x3

BN(elu)

2D Convolution layer: 64 filters, 3x3

BN(elu)

Max pooling 2x2 Dropout: 0.1

Fully connected layer: 512 units

BN(elu) Dropout: 0.3

Fully connected layer: 10 units (for classification)

Batch normalisation (activation: soft max) Optimiser: Adam(learning\_rate=0.001)

\*\*\*\*\*\*\*\*\*\*\*\*

BN(elu) = Batch normalisation (activation: ELU)