

Convolution Neural Network					
Experiment No	Dropout	Feature	Combination	Error	
1	No	Original LeNet	Conv 5 Po 2 Conv 5 Po 2 Conv 4 Relu Conv 1 SL	0.0195	
2	No	Original LeNet + Relu	Conv 5 Po 2 Relu Conv 5 Po 2 Conv 4 Relu Conv 1 SL	0.0162	
3	Yes	Original LeNet + dropout_0.5	Conv 5 Po 2 Conv 5 Po 2 Conv 4 Relu Dp Conv 1 SL	0.0136	
4	Yes	Original LeNet + dropout_0.75	Conv 5 Po 2 Conv 5 Po 2 Conv 4 Relu Dp Conv 1 SL	0.0111	
5	Yes	Original LeNet + dropout_0.85	Conv 5 Po 2 Conv 5 Po 2 Conv 4 Relu Dp Conv 1 SL	0.0134	
6	Yes	Original LeNet + Relu + dropout_0.75	Conv 5 Po 2 Relu Conv 5 Po 2 Conv 4 Relu Dp Conv 1 SL	0.0099	
7	Yes	Original LeNet + Relu + dropout_0.75	Conv 5 Relu Po 2 Conv 5 Po 2 Conv 4 Relu Dp Conv 1 SL	0.0101	
8	Yes	1st Layer + Pool (6 Layer)	Conv 27 Po 2 Relu Dp Conv 1 SL	0.902	
9	Yes	1st Layer (5 Layer)	Conv 28 Relu Dp Conv 1 SL	0.902	
10	Yes	2 Layer (8 Layer)	Conv 13 Po 2 Conv 7 Po 2 Relu Dp Conv 1 SL	0.903	
11	Yes	9 Layer	Conv 9 Po 2 Conv 7 Po 2 Conv 2 Relu Dp Conv 1 SL	0.0154	
12	Yes	11 Layer	Conv 9 Po 2 Relu Conv 7 Po 2 Relu Conv 2 Relu Dp Conv 1 SL	0.0122	
13	Yes	10 Layer	Conv 9 Po 2 Relu Conv 7 Po 2 Conv 2 Relu Dp Conv 1 SL	0.0117	
14	Yes	Original LeNet + Relu + dropout_0.75	Conv 5 Po 2 Conv 5 Po 2 Relu Conv 4 Relu Dp Conv 1 SL	0.0115	

