

Experiment-Activations

April 1, 2023

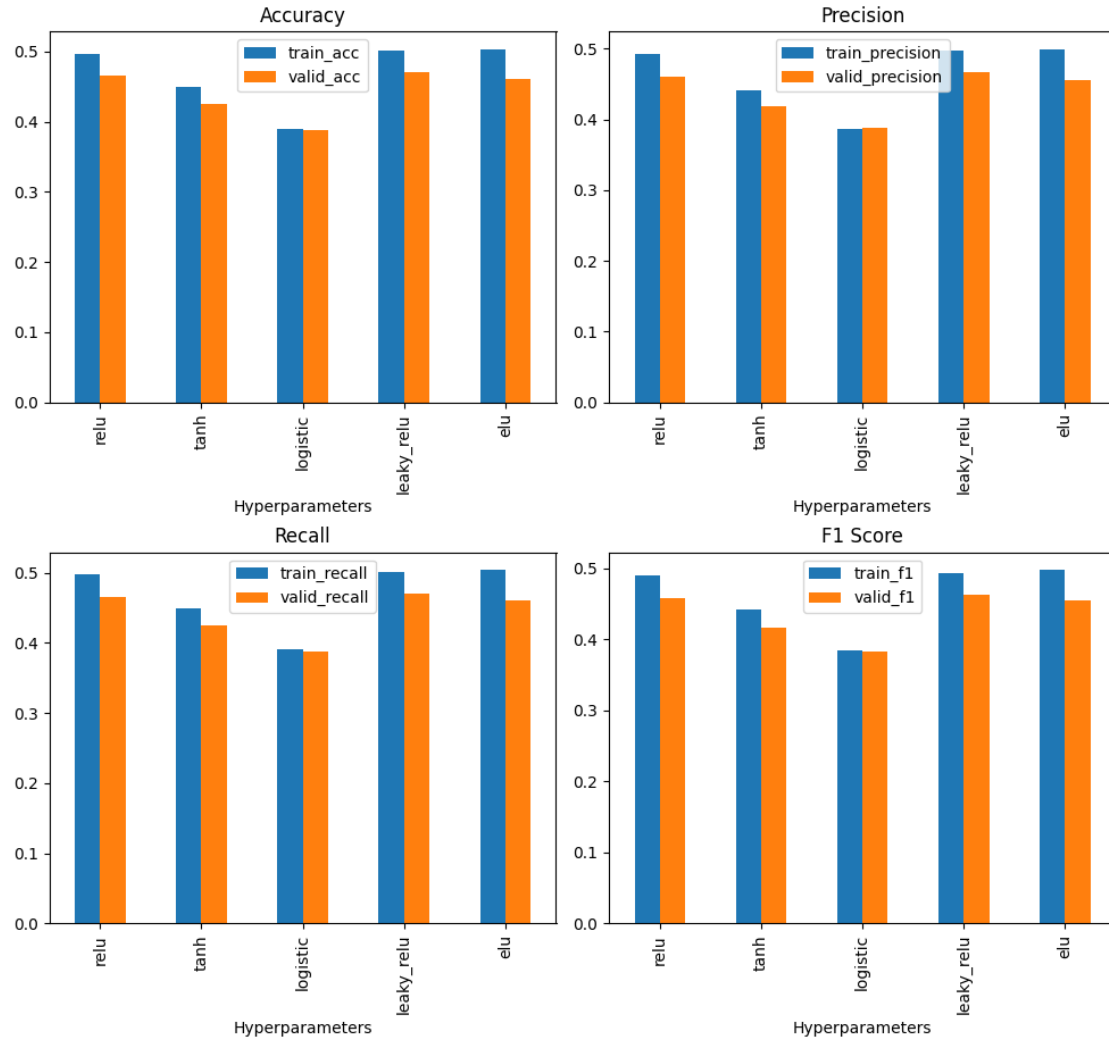
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[ ]: from algorithms import Evals

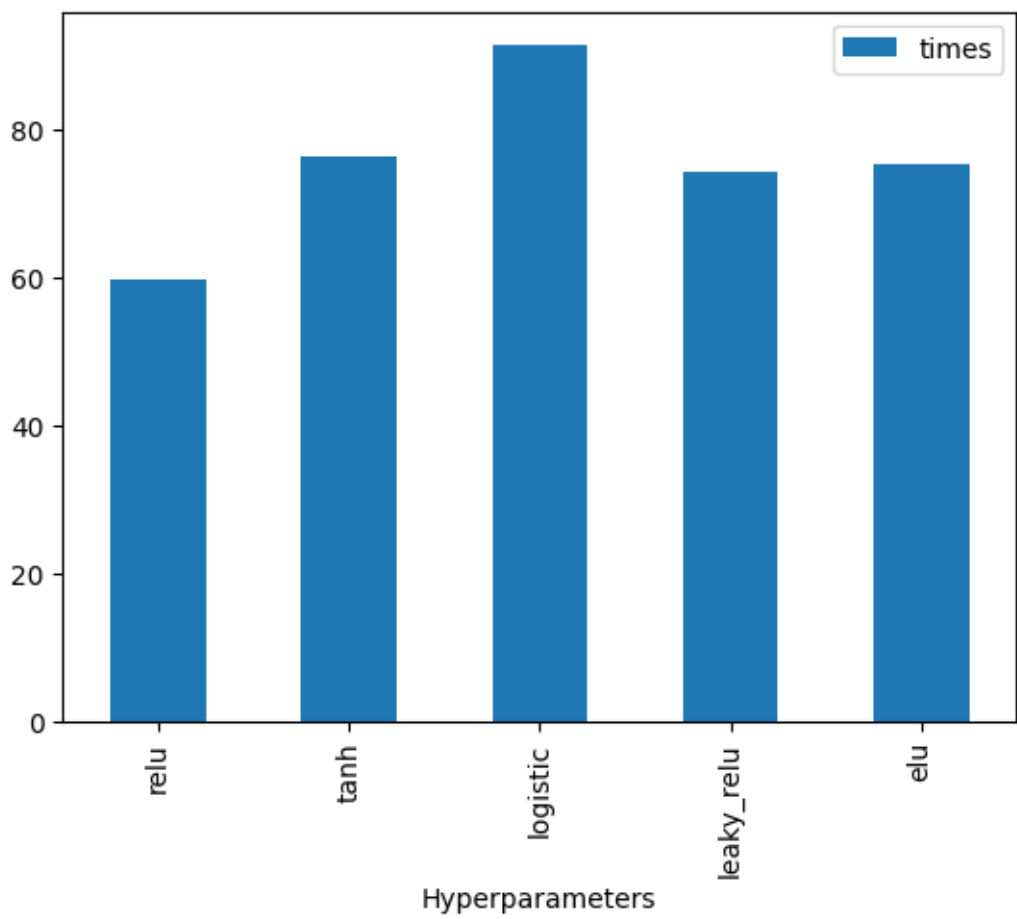
# Setup activation experiment
activaitons = ['relu', 'tanh', 'logistic', 'leaky_relu', 'elu']

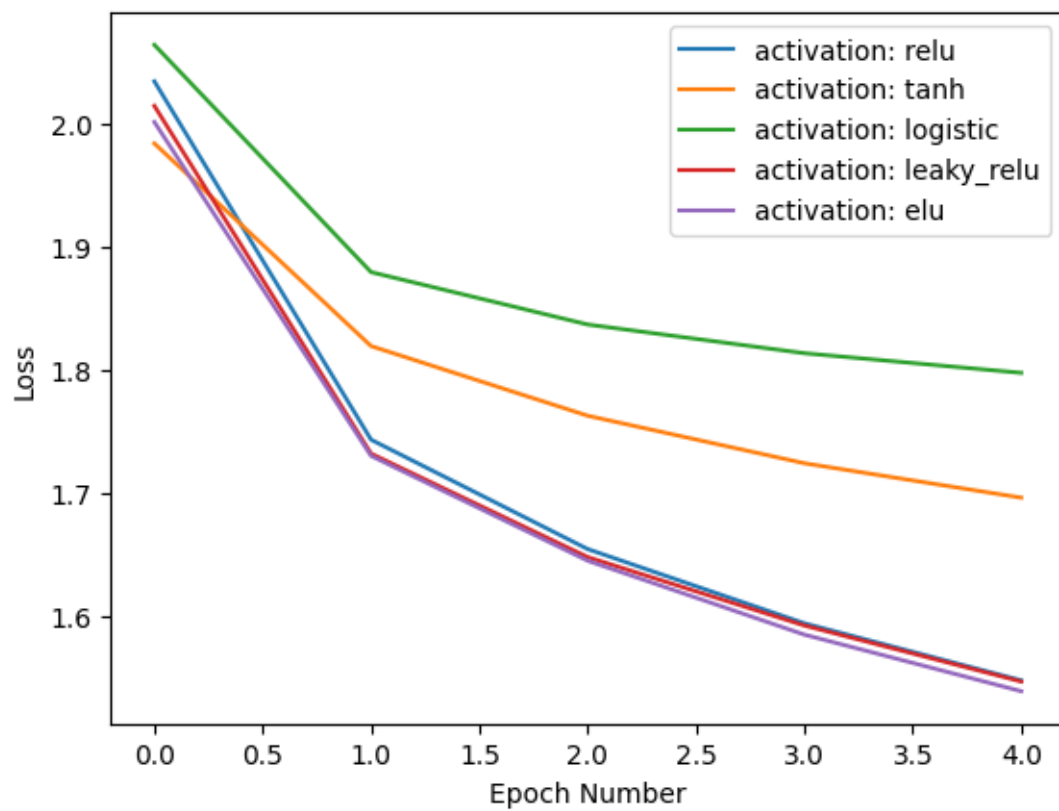
eval_dict = Evals.set_exp(exps= activaitons, exp_name= 'activation')
eval_df = Evals.run_exp(exp_dict= eval_dict, epochs= 5)
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Epoch: 1 Training Loss: 2.0345738726116602 Time (sec): 11.686606884002686
Epoch: 2 Training Loss: 1.743487790809468 Time (sec): 13.425903081893921
Epoch: 3 Training Loss: 1.654605895303076 Time (sec): 12.030785083770752
Epoch: 4 Training Loss: 1.594290580610731 Time (sec): 11.49620509147644
Epoch: 5 Training Loss: 1.5479674578823162 Time (sec): 11.109664916992188
Epoch: 1 Training Loss: 1.9841297983132937 Time (sec): 12.162020206451416
Epoch: 2 Training Loss: 1.8195231178097497 Time (sec): 13.574800968170166
Epoch: 3 Training Loss: 1.7629213959532426 Time (sec): 11.226427793502808
Epoch: 4 Training Loss: 1.7243213622483808 Time (sec): 26.729435205459595
Epoch: 5 Training Loss: 1.696392329017842 Time (sec): 12.82606816291809
Epoch: 1 Training Loss: 2.0641943974926984 Time (sec): 17.48720097541809
Epoch: 2 Training Loss: 1.8795851476738106 Time (sec): 20.797203063964844
Epoch: 3 Training Loss: 1.8370264811494288 Time (sec): 21.24993395805359
Epoch: 4 Training Loss: 1.8137174491416685 Time (sec): 17.33031177520752
Epoch: 5 Training Loss: 1.7977897512803298 Time (sec): 14.53557014465332
Epoch: 1 Training Loss: 2.014641986616809 Time (sec): 13.672133684158325
Epoch: 2 Training Loss: 1.7321503757309322 Time (sec): 13.63678789138794
Epoch: 3 Training Loss: 1.6480684094922586 Time (sec): 15.429171085357666
Epoch: 4 Training Loss: 1.59251802070883 Time (sec): 16.04156732559204
Epoch: 5 Training Loss: 1.5470543511021764 Time (sec): 15.488980054855347
Epoch: 1 Training Loss: 2.0015158925264105 Time (sec): 16.910640716552734
Epoch: 2 Training Loss: 1.730334716506896 Time (sec): 12.658812046051025
Epoch: 3 Training Loss: 1.6451613444999935 Time (sec): 12.498074054718018
Epoch: 4 Training Loss: 1.5850981755146012 Time (sec): 12.475270748138428
Epoch: 5 Training Loss: 1.5392005546528893 Time (sec): 20.883239269256592
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Metrics by different hyperparameters







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