

COMSATS

University Abbottabad campus

Assignment NO: 2

Submitted to:

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Submitted by:

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Experiment 6 (Rice type detection using Image Dataset)

Submission date:

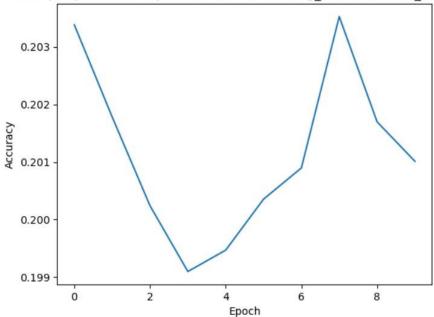
15 Dec 2023

Experiment table:

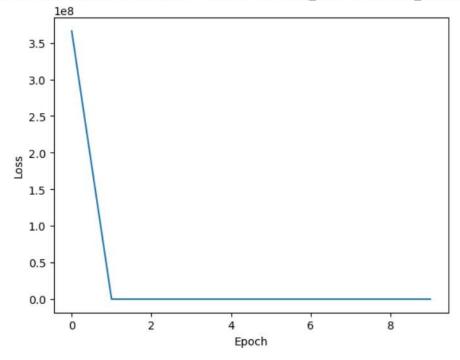
Experiments	Learning rate	Optimization	Batch Normalization	Training	Training
		Algo	Layer	Loss	accuracy
1	1	SGD	No	1.6161	0.1974
2	0.1	SGD	Yes (specify)	0.1098	0.9615
3	0.01	SGD	No	0.2525	0.9065
4	1	ADAM	No	1.6781	0.2003
5	0.1	ADAM	Yes (specify)	0.3464	0.9171
6	0.01	ADAM	No	0.1368	0.9529

Experiment 1:

Training Accuracy Experiment 1 optimizer=[SGD] Learning_rate=[1] batch_normalization=[No]

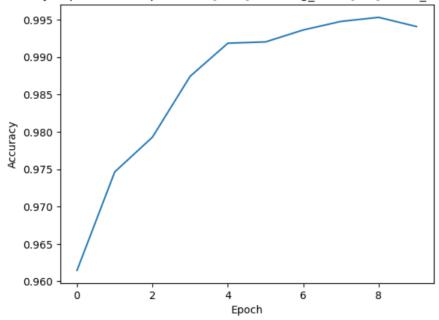


Training Loss Experiment 1 optimizer=[SGD] Learning_rate=[1] batch_normalization=[No]

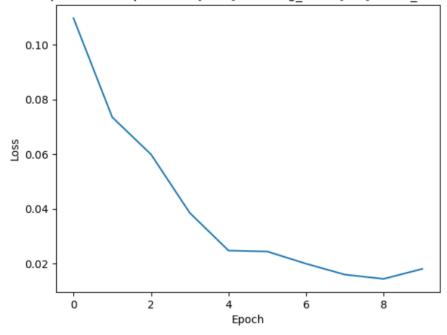


Experiment 2:

Training Accuracy Experiment 2 optimizer=[SGD] Learning_rate=[0.1] batch_normalization=[yes]

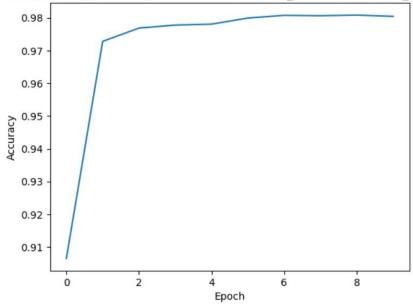


Training Loss Experiment 2 optimizer=[SGD] Learning_rate=[0.1] batch_normalization=[yes]

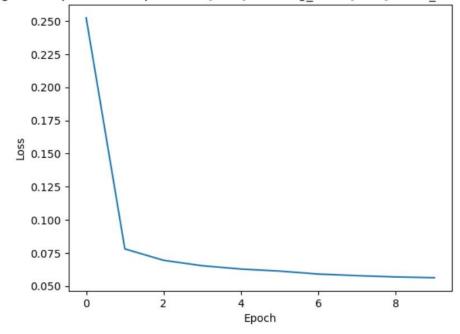


Experiment 3:

Training Accuracy Experiment 3 optimizer=[SGD] Learning_rate=[0.01] batch_normalization=[No]

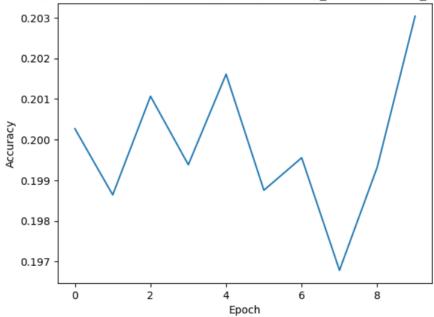


Training Loss Experiment 3 optimizer=[SGD] Learning_rate=[0.01] batch_normalization=[No]

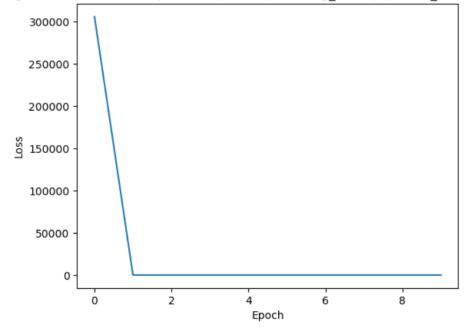


Experiment 4:

Training Accuracy Experiment 4 optimizer=[ADAM] Learning_rate=[1] batch_normalization=[No]

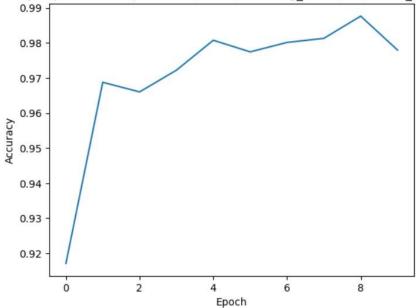


Training Loss Experiment 4 optimizer=[ADAM] Learning_rate=[1] batch_normalization=[No]

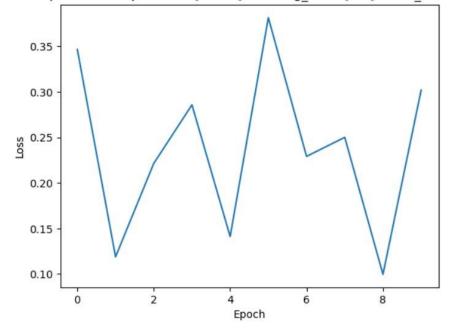


Experiment 5:

Training Accuracy Experiment 5 optimizer=[ADAM] Learning_rate=[0.1] batch_normalization=[yes]



Training Loss Experiment 5 optimizer=[ADAM] Learning_rate=[0.1] batch_normalization=[yes]



Experiment 6:

Training Accuracy Experiment 6 optimizer=[ADAM] Learning_rate=[0.01] batch_normalization=[No]

