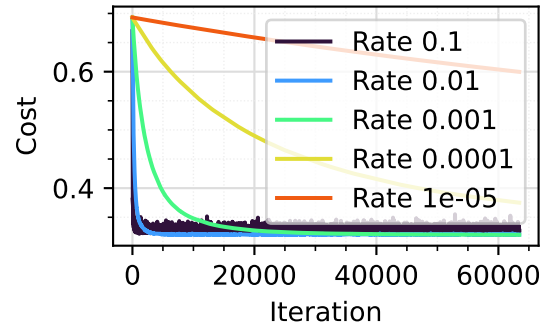
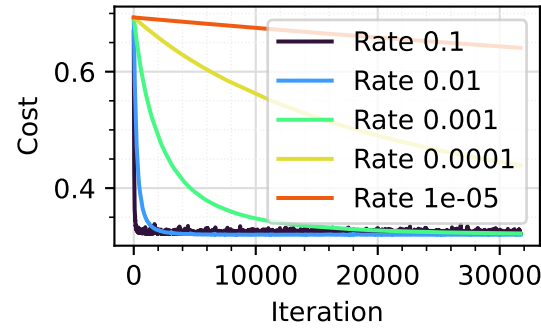


Row 1 shows the cost with respect to the number of iterations for different learning rates, while row 2 shows the time required to complete all the iterations. Each column represents a different batch size. This was done for the logistic mini batch gradient descent with 2 epochs.

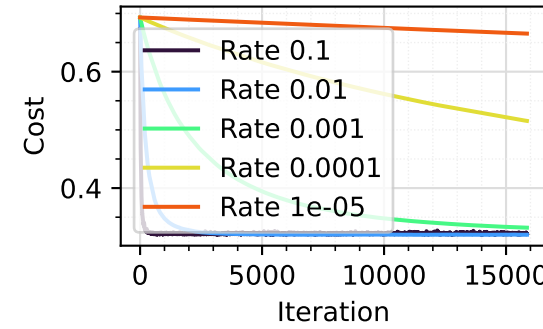
Batch size 8



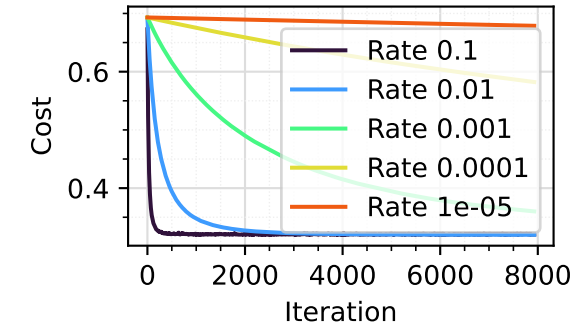
Batch size 16



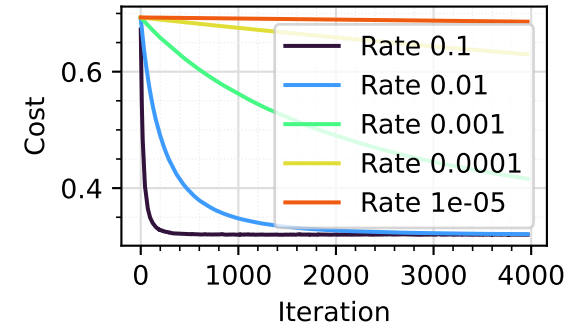
Batch size 32



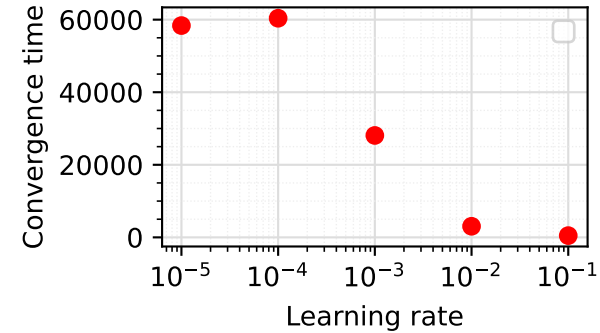
Batch size 64



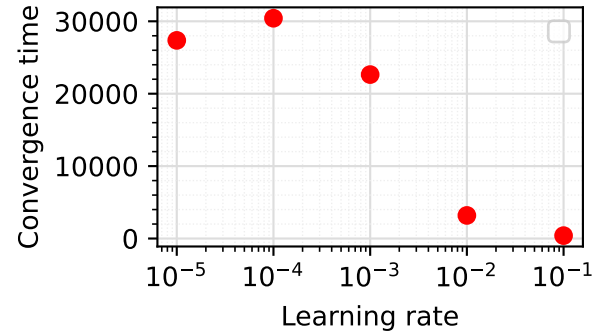
Batch size 128



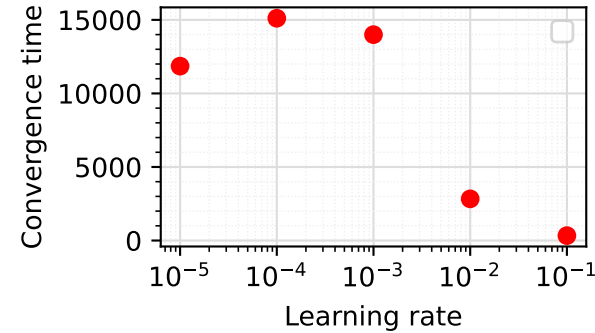
Batch size 8



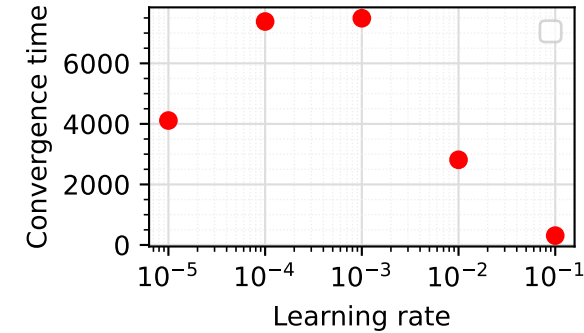
Batch size 16



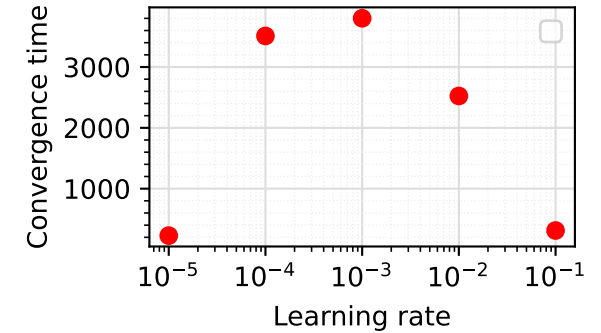
Batch size 32



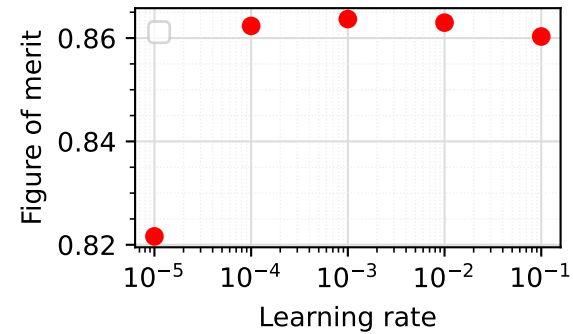
Batch size 64



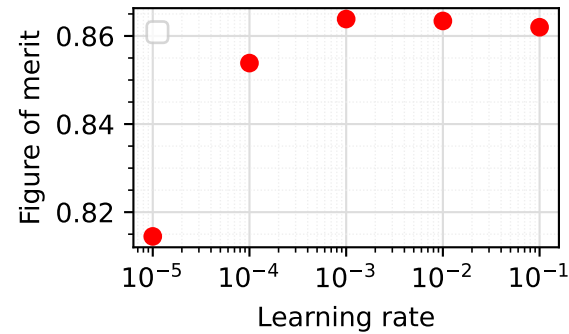
Batch size 128



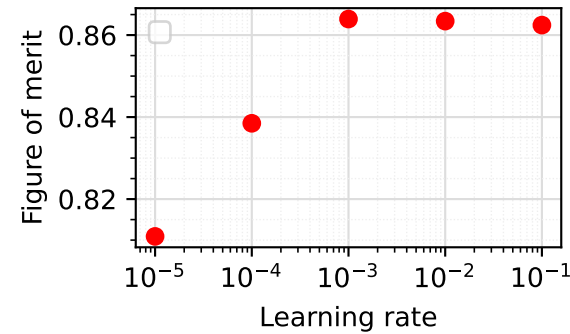
Batch size 8



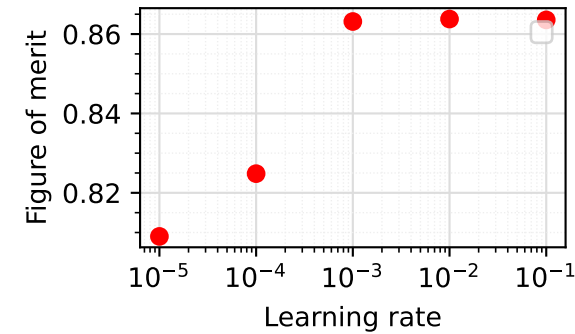
Batch size 16



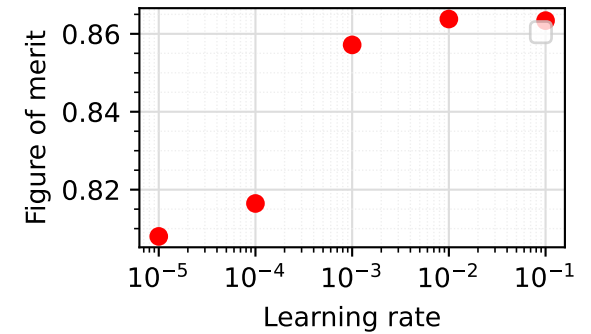
Batch size 32



Batch size 64

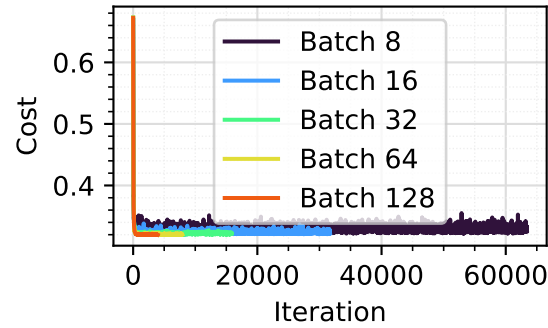


Batch size 128

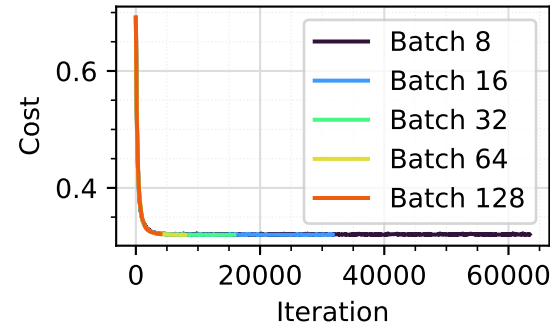


Row 1 shows the cost with respect to the number of iterations for different batch sizes, while row 2 shows the time required to complete all the iterations. Each column represents a different learning rate. This was done for the logistic mini batch gradient descent with 2 epochs.

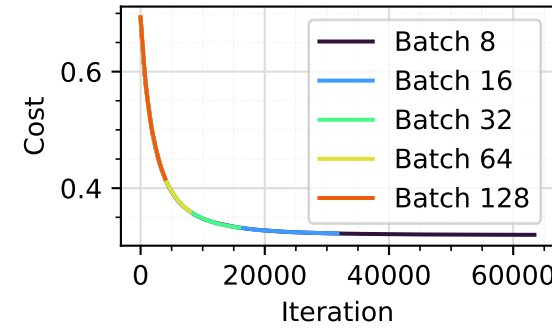
Learning rates 0.1



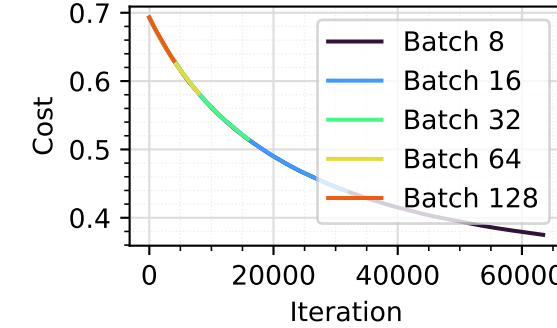
Learning rates 0.01



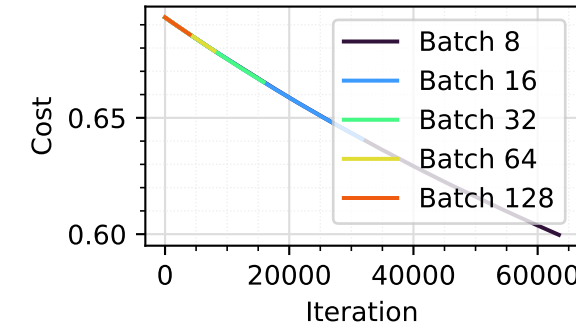
Learning rates 0.001



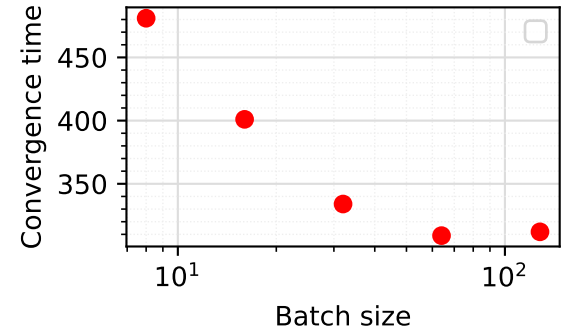
Learning rates 0.0001



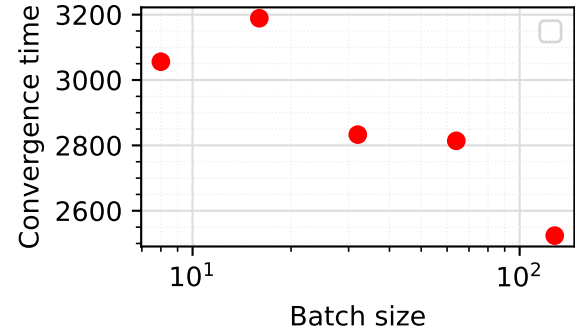
Learning rates 1e-05



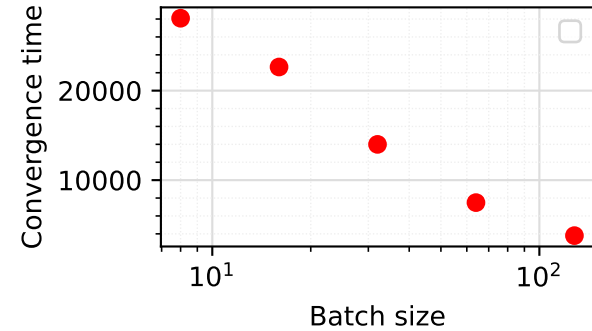
Learning rates 0.1



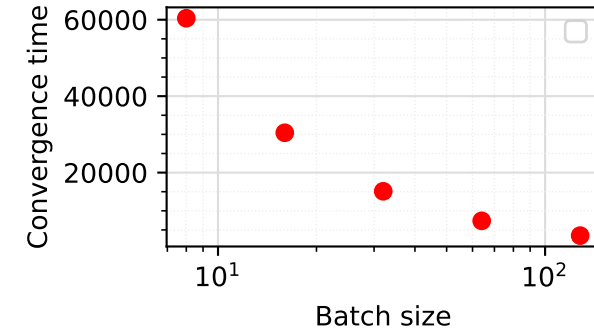
Learning rates 0.01



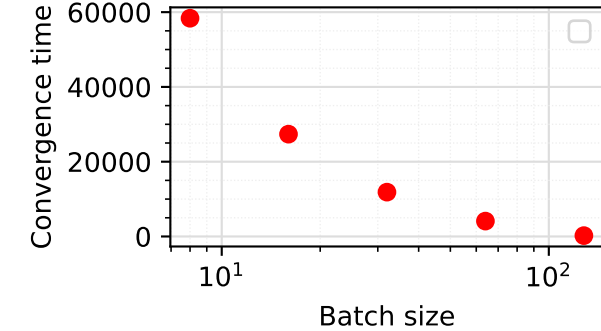
Learning rates 0.001



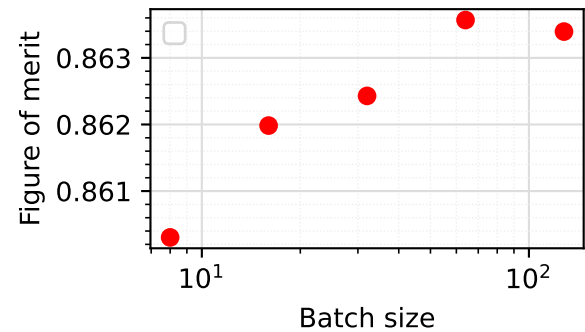
Learning rates 0.0001



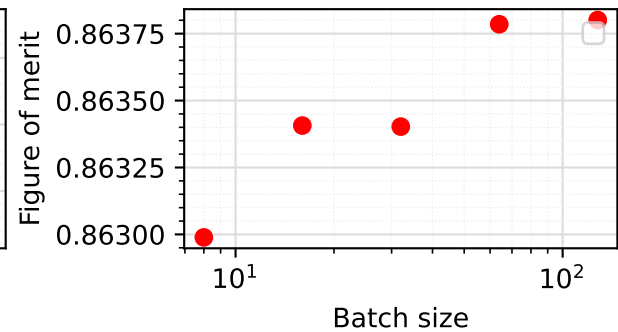
Learning rates 1e-05



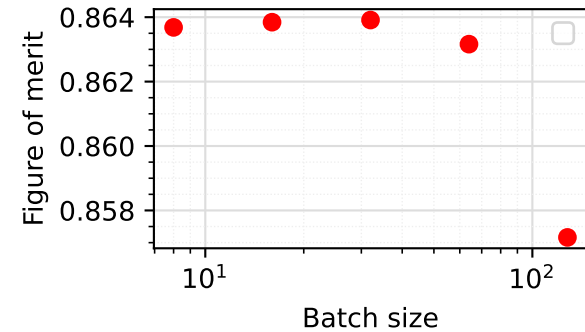
Learning rates 0.1



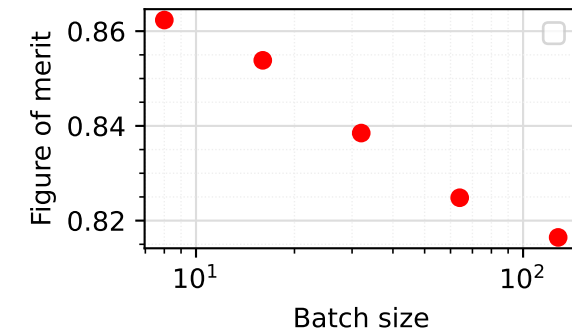
Learning rates 0.01



Learning rates 0.001



Learning rates 0.0001



Learning rates 1e-05

