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Homework 7 : Optimization and Search 
10-607 
3. (3 points) Plot the curve for train logistic loss versus train epoch for each of the three optimizers in a 
single plot. Include a legend indicating which curve corresponds to which optimizer. 
Plot 
4. (3 points) Plot the curve train accuracy versus train epoch for each of the three optimi•ærs in a single 
plot. Include a legend indicating which curve corresponds to which optimizer. 
Plot 
5. (1 point) What is the accuracy obtained by the gradient descent optimizer on the test data? 
Solution 
6. (l point) What is the accuracy obtained by the stochastic gradient descent optimizer on the test data? 
Solution 
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Homework 7 : Optimization and Search 
7. (l point) What is the accuracy obtained by the Adagrad optimizer on the test data? 
Solution 
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Homework 7 : Optimization and Search 
7. (l point) What is the accuracy obtained by the Adagrad optimizer on the test data? 
Solution 
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