

```
1 capacity = 50; %the number of parallel operations supported
2 simulation_depth = 500;
3
4 file_path = '/Users/charlesdavi/Downloads/Iris_full_dataset.txt';
5 dataset = csvread(file_path);
6 num_rows = size(dataset,1);
7 N = size(dataset,2) - 1;
8
9 tic;
10 [weight_matrix accuracy] = linear_MC_optimizer(dataset, capacity,
simulation_depth, N);
11 toc
12
13 figure, plot(1 : simulation_depth + 1, accuracy)
14
15 max(accuracy)
16
17
```