

CS 3600 Project 4

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Question 5

Car data

- Car accuracy max = 0.99
- Car accuracy average = 0.983
- Car accuracy standard deviation = 0.006782329983125274

Pen data

- Pen accuracy max = 0.907661520869068
- Pen accuracy average = 0.9036020583190394
- Pen accuracy standard deviation = 0.0022683629988424535

Question 6

Car Data

Hidden Layers	0	5	10	15	20	25	30	35	40
Max	0.655000	0.985000	0.995000	0.990000	0.995000	0.995000	0.990000	1	0.995000
Mean	0.675293	0.976491	0.972984	0.981243	0.984329	0.989354	0.991239	0.993241	0.994383
Standard Deviation	0.022658	0.021382	0.020014	0.018145	0.019806	0.013725	0.011877	0.015872	0.000872

Pen Data

Hidden Layers	0	5	10	15	20	25	30	35	40
Max	0	0.857347	0.883362	0.907662	0.906518	0.906804	0.903087	0.903945	0.904803
Mean	0	0.843625	0.8792165	0.906804	0.9033735	0.9053745	0.9026585	0.904392	0.905832
Standard Deviation	0	0.013722	0.0041455	0.000858	0.0031445	0.0014295	0.0004285	0.009754	0.007104

It seems like the standard deviation generally goes down as the mean goes up along with the number of hidden layers.