Different Configurations for a Neural Network

https://github.com/Tobi96/nn-in-python

Neural Network (Python) with 100 hidden nodes

| Attempt	Learning Rate	Epochs	Rate of Success
1	0.3	1	0,9073
2	0.3	3	0,9345
3	0.3	5	0,9251
4	0.3	7	0,9267
5	0,2	1	0,922
6	0,2	3	0,93981
7	0,2	5	0,9433
8	0,2	7	0,9405
9	0,2	9	0,9465

Graph showing the attempts and their success rate for 100 hidden nodes
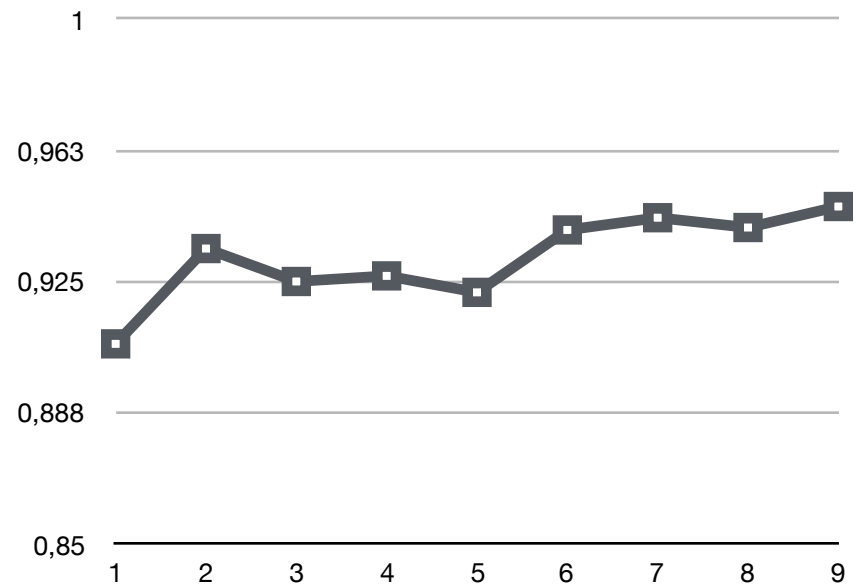
Neural Network (Python) with 200 hidden nodes

Attempt	Learning Rate	Epochs	Rate of Success
1	0.3	1	0,9046
2	0.3	3	0,9293
3	0.3	5	0,9356
4	0.3	7	0,9269
5	0,2	1	0,918
6	0,2	3	0,9376
7	0,2	5	0,9437
8	0,2	7	0,9455
9	0,2	9	0,9483

Graph showing the attempts and their success rate for 200 hidden nodes
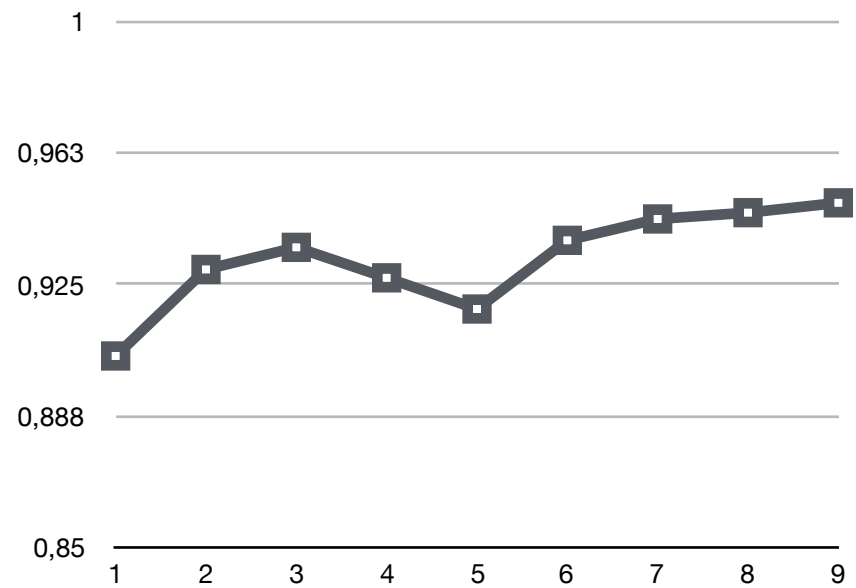
Data is only from a single attempt with the given configuration. Due to different gradient descents there can occur a bigger fluctuation, so these values aren't really representable but are nice to get an overview.