

2- Hidden layers trials results

1- 2 hidden layers and 8 hidden neurons in each layer

Hidden Layers	Hidden Neurons	Learning Rate	Epochs	Val MSE	Val MAE
2	1st:8 2nd:8	$1e^{-3}$	153	5.931	1.953

Table9. Trial1 parameters.

2- 2 hidden layers and 8, 16 hidden neurons in each layer

Hidden Layers	Hidden Neurons	Learning Rate	Epochs	Val MSE	Val MAE
2	1st:8 2nd:16	$1e^{-3}$	128	5.968	2.013

Table10. Trial2 parameters.

3- 4 hidden layers and 8,16,32,32 hidden neurons in each layer

Hidden Layers	Hidden Neurons	Learning Rate	Epochs	Val MSE	Val MAE
4	1st:8 2nd:16 3rd:32 4th:32	$1e^{-3}$	112	5.977	1.953

Table11. Trial3 parameters.

4- 6 hidden layers and 8,16,32,32,45,64 hidden neurons in each layer

Hidden Layers	Hidden Neurons	Learning Rate	Epochs	Val MSE	Val MAE
6	1st:8 2nd:16 3rd:32 4th:32 5th:45 6th:64	$1e^{-3}$	108	5.962	1.953

Table12. Trial4 parameters.