



HALVED NN FUNCTION PREDICTION

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YUVAL ALFASSI



JUPITER NOTEBOOK LINK

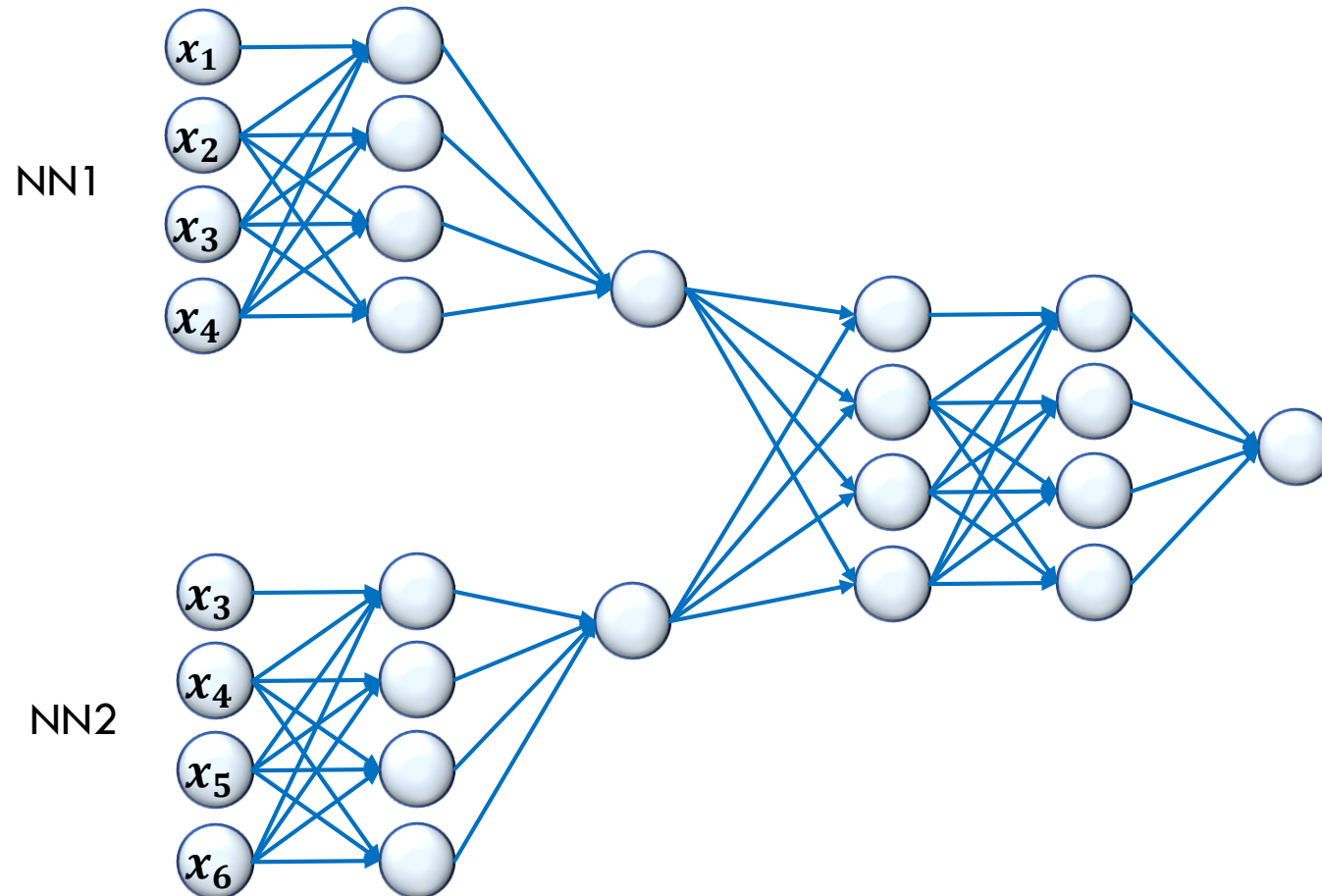
https://github.com/YuvalAlf/Deconstructing_Neural_Networks/tree/master/Function_Decomposition_Halved_NN



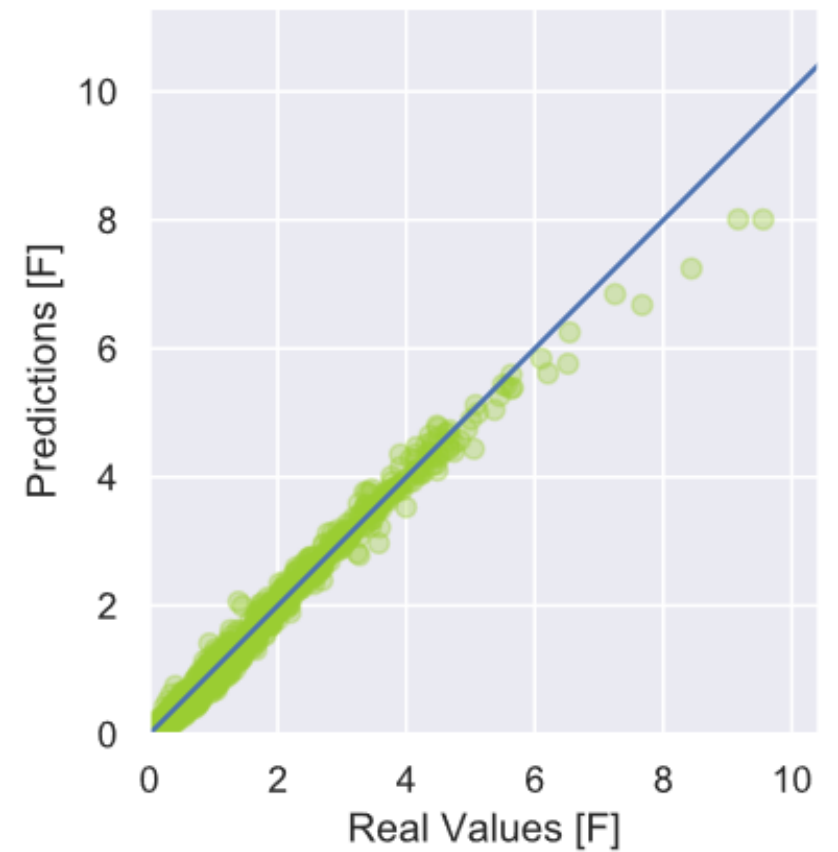
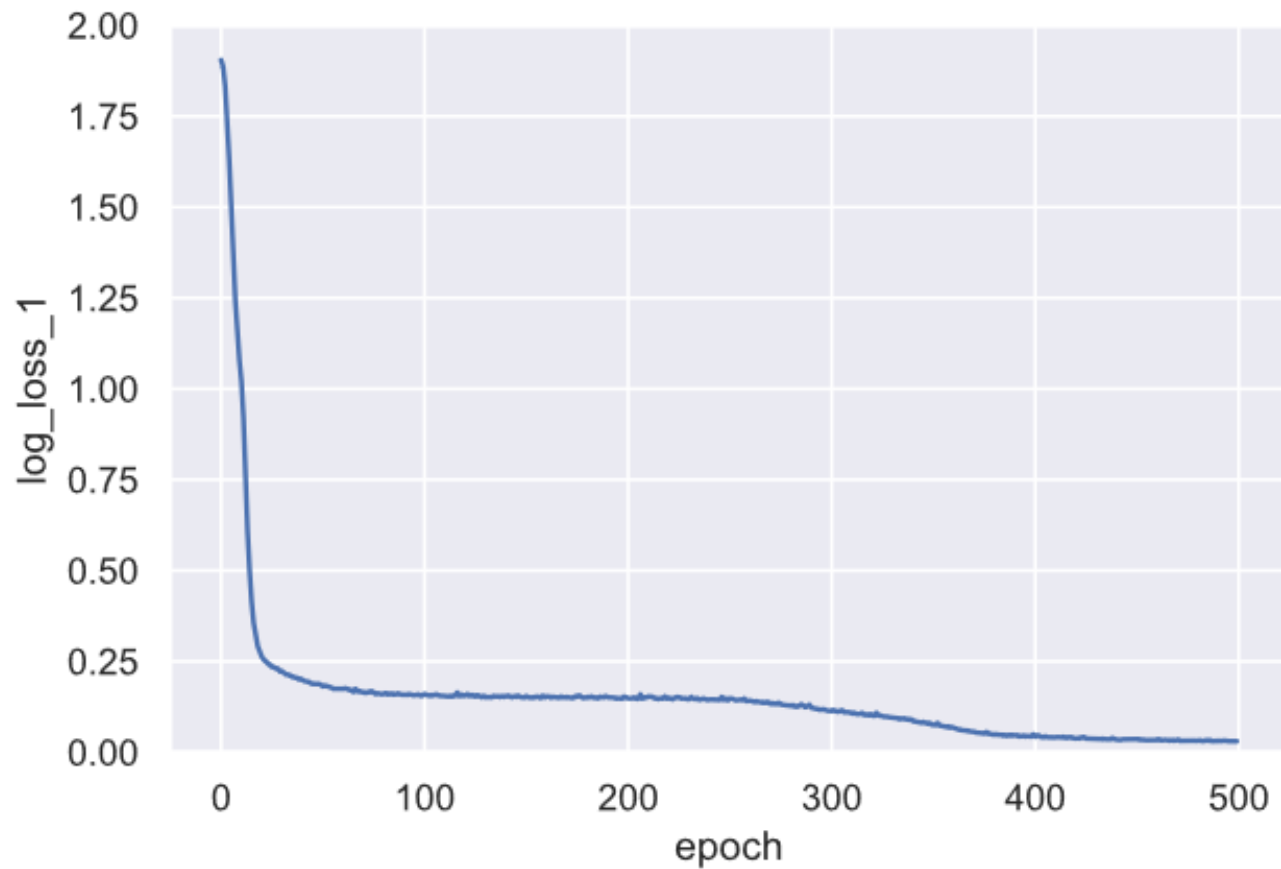
PREDICTED FUNCTION

$$F(x_1, x_2, x_3, x_4, x_5, x_6) = (x_1 + x_2 + x_3 + x_4)^2 - (x_3 + x_4 + x_5 + x_6)^2$$

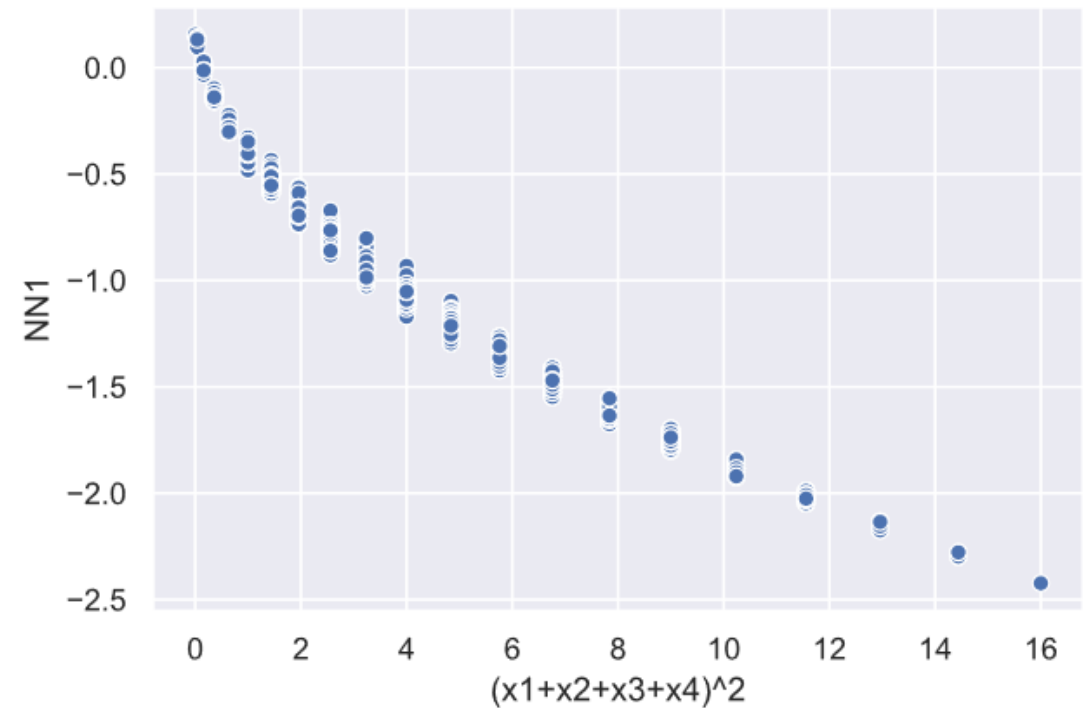
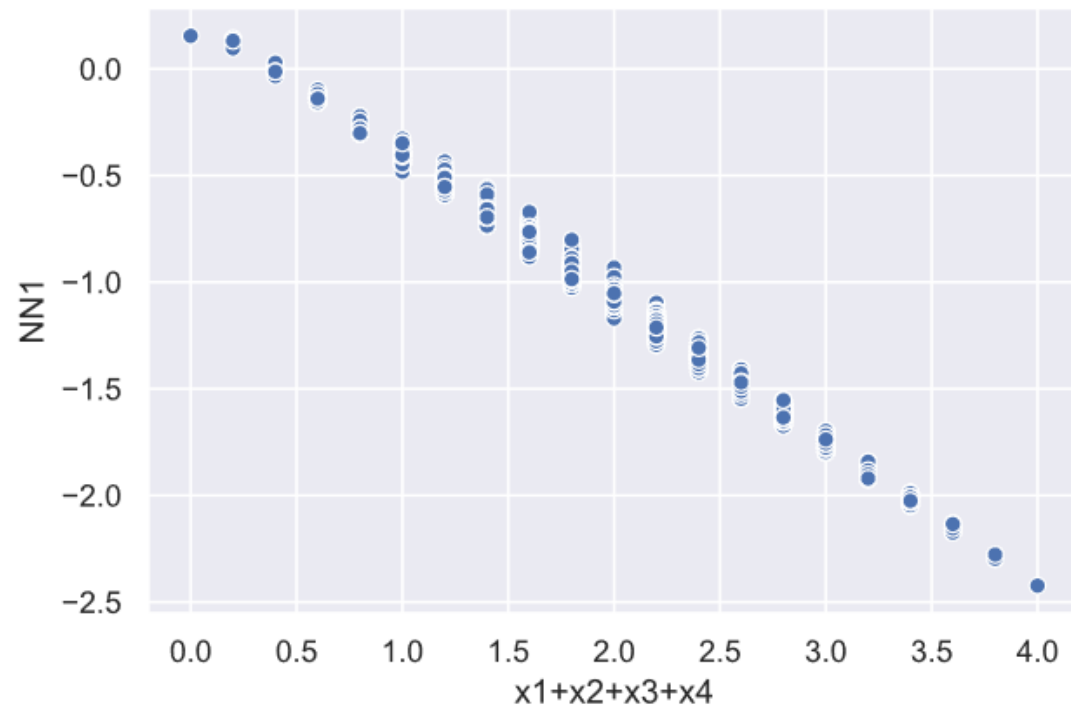
NN STRUCTURE



TRAIN MSE, PREDICTIONS



NN1 PREDICTIONS



NN2 PREDICTIONS

