Brain Inspired Computing - Problem Set 4

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Exercise 3

a) Through empirical estimation following values are found:

v_{rest}	-70mV
w_e	$0.0035\mu S$
w_i	$0.048\mu S$
τ_m	$9.9ms$
τ_{syn}^e	$2.9ms$
τ_{syn}^i	$5.2ms$

b) Shown here are the simulation with the noise removed, as well as the original data; the noise was removed from the simulation as it was hard to plot and discern the different noisy lines.