

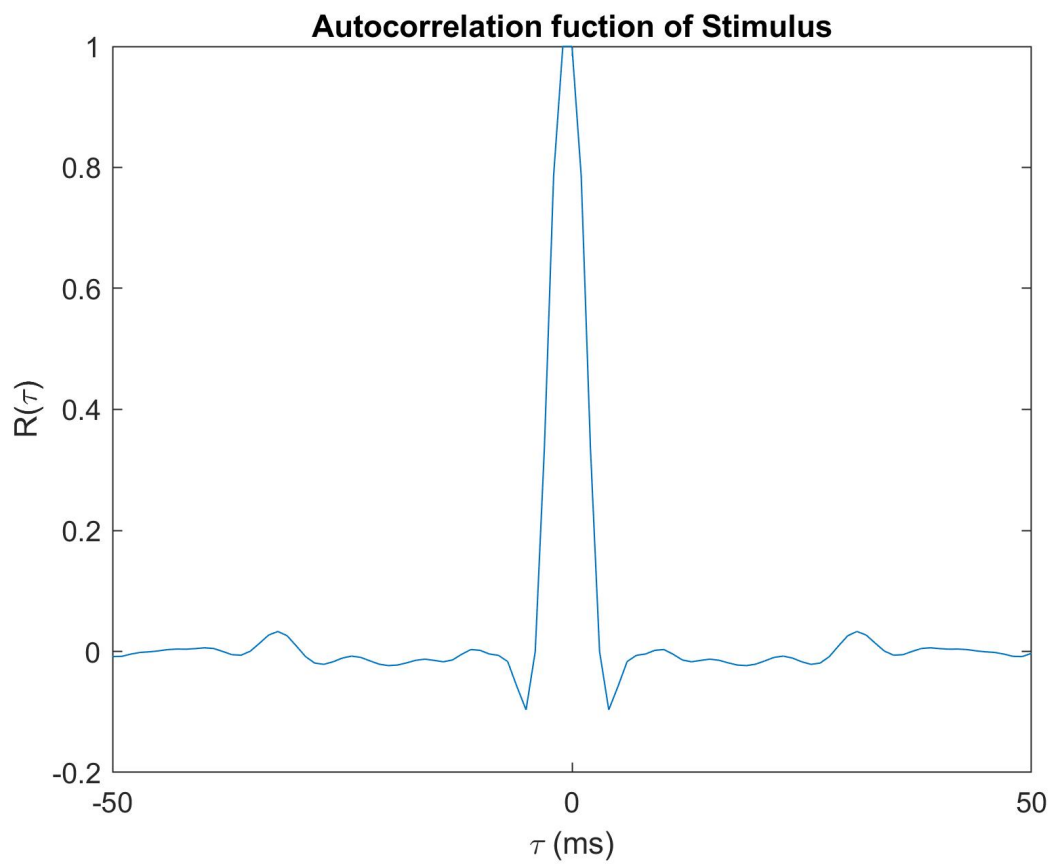
Project 3

Shaurya Goyal
20HS20068

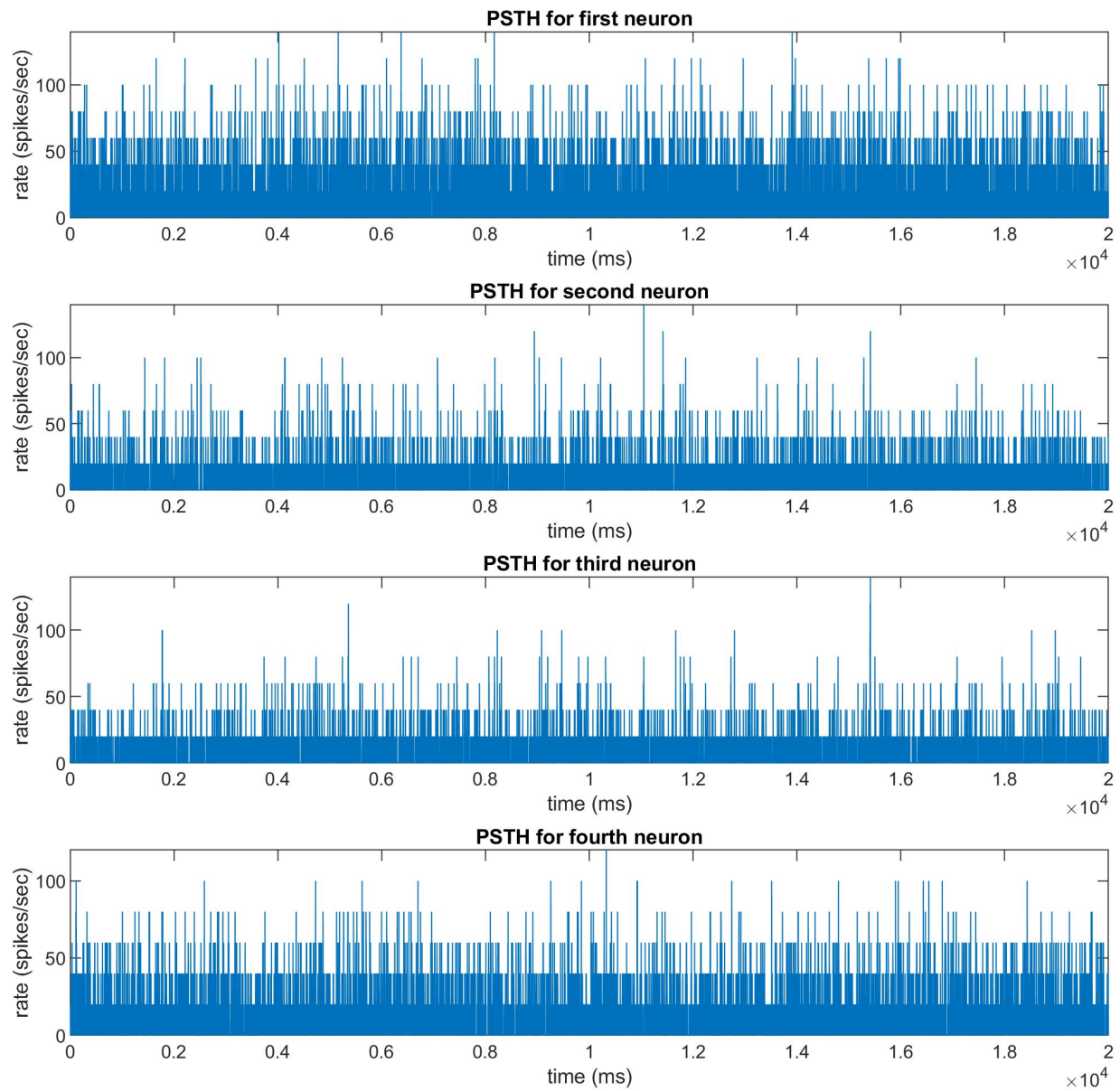
November 2022

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Yes - sum enough Gaussians, expect errors eventually cancel out $E(x) = 0$. STA is averaging many stimulus hence the assumption.

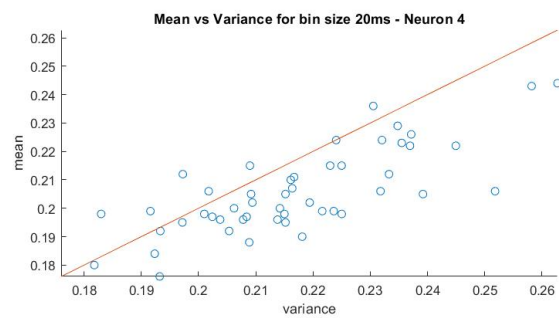
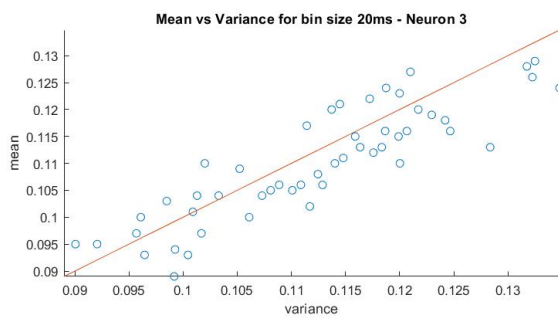
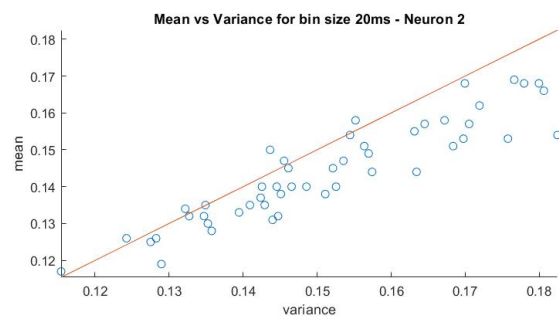
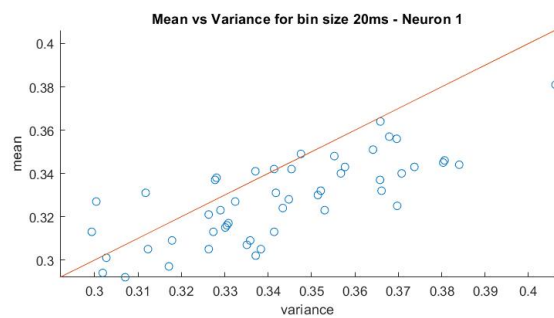
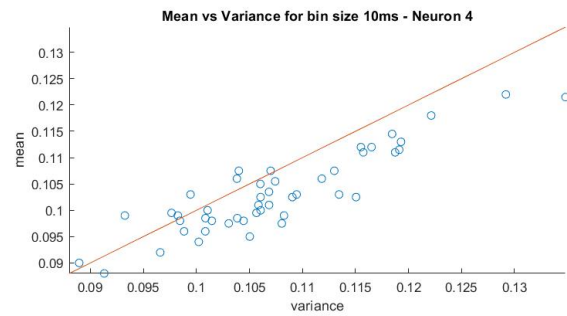
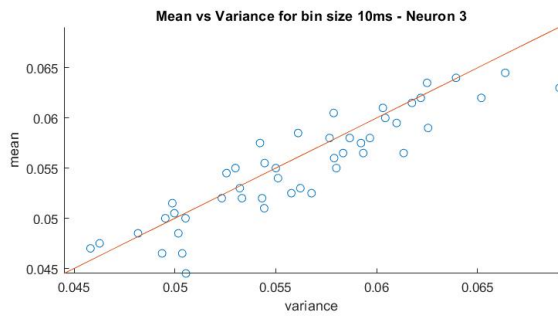
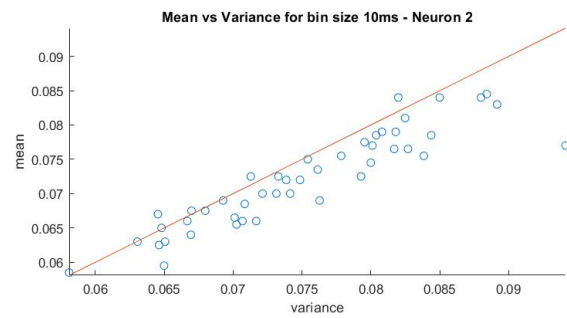
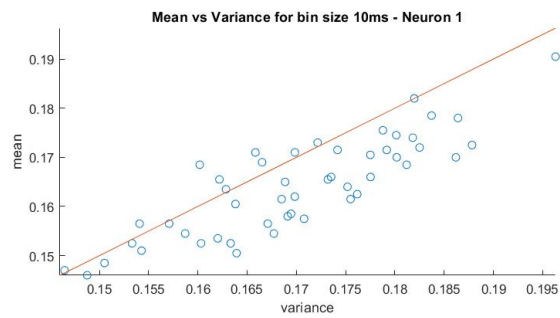


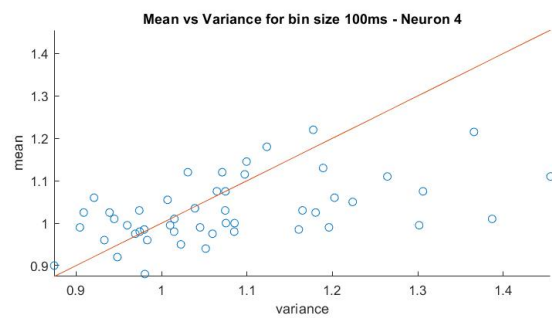
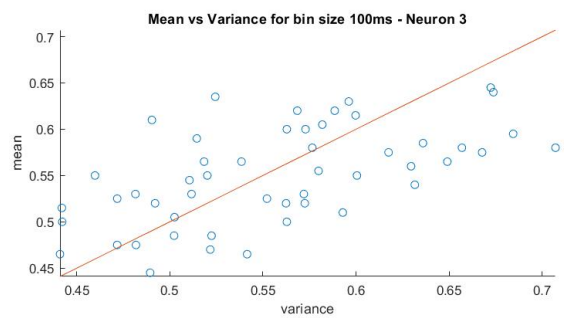
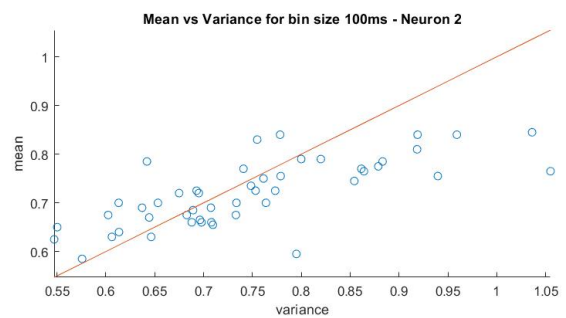
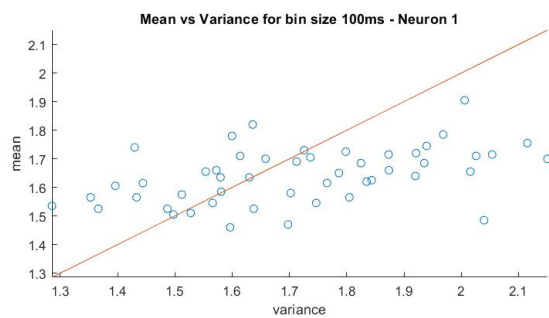
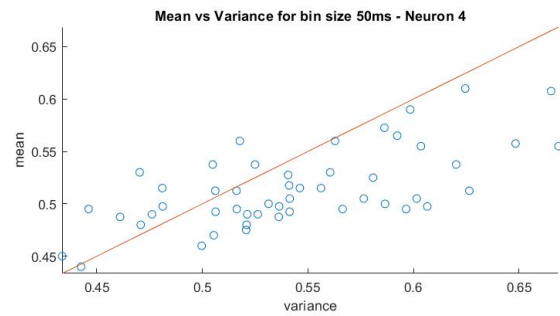
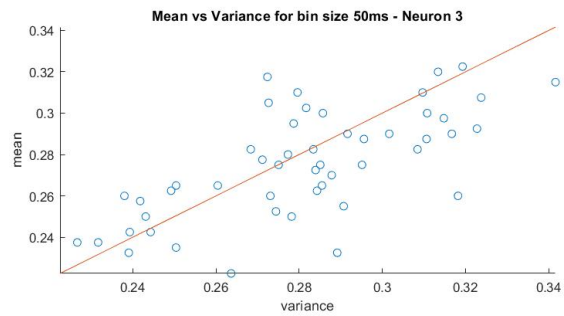
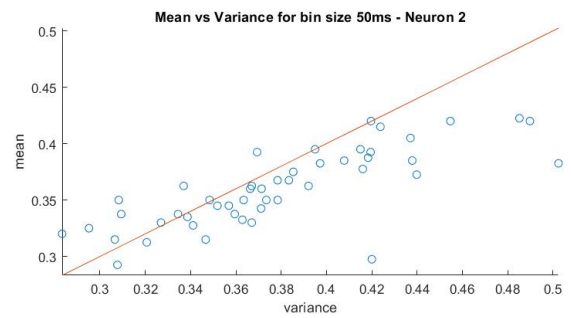
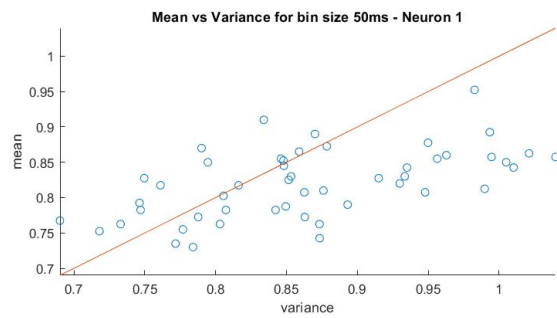
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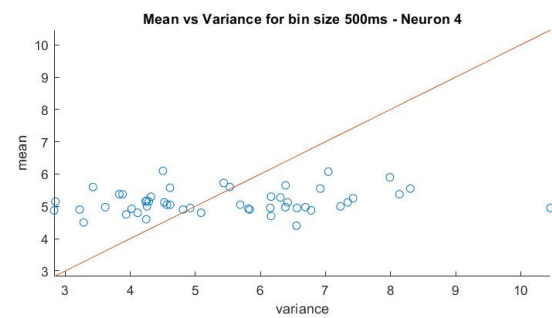
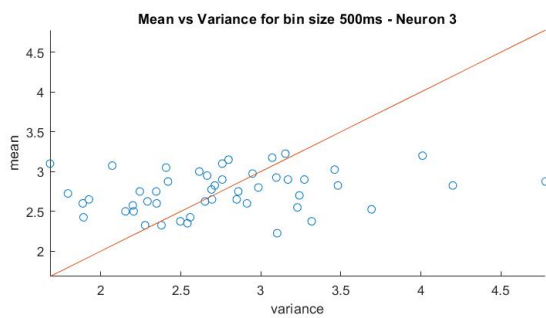
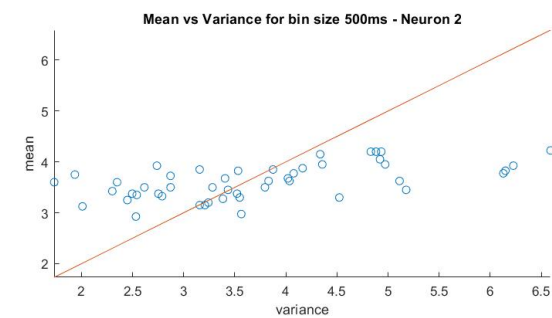
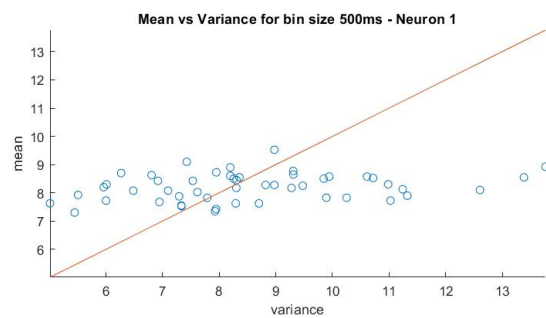
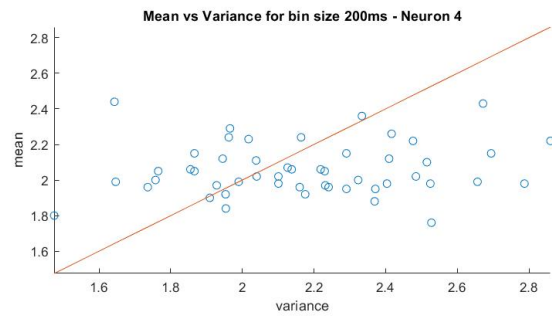
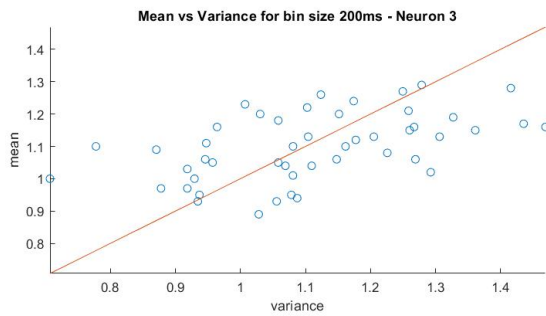
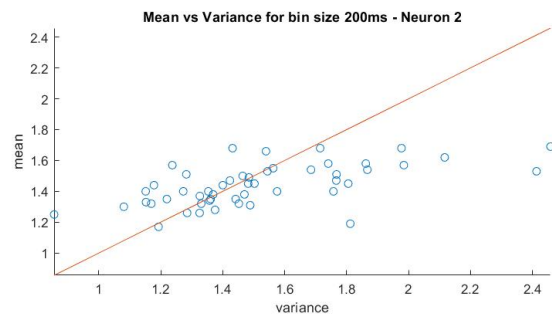
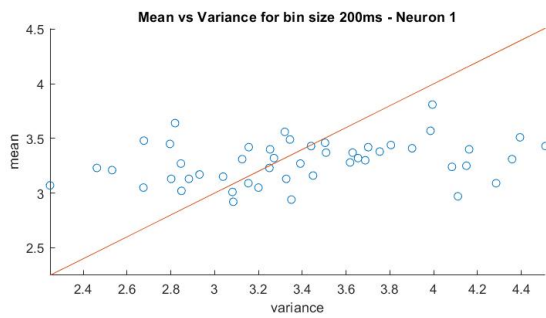


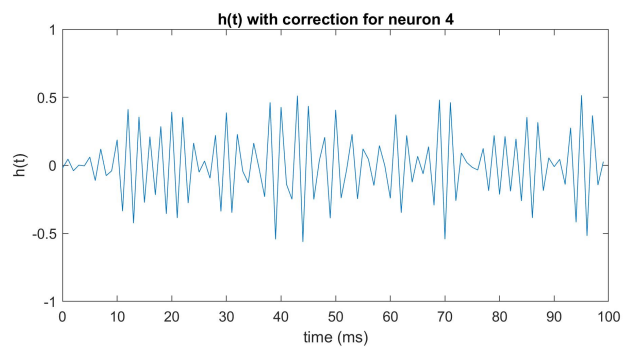
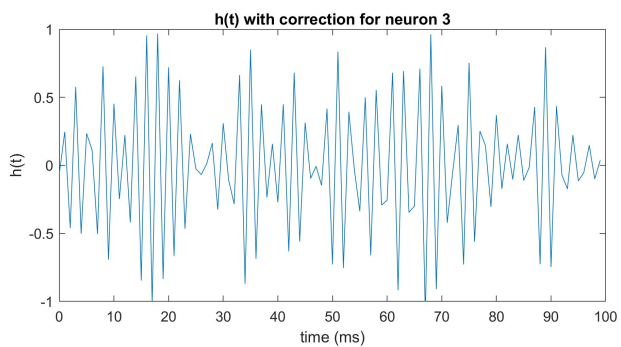
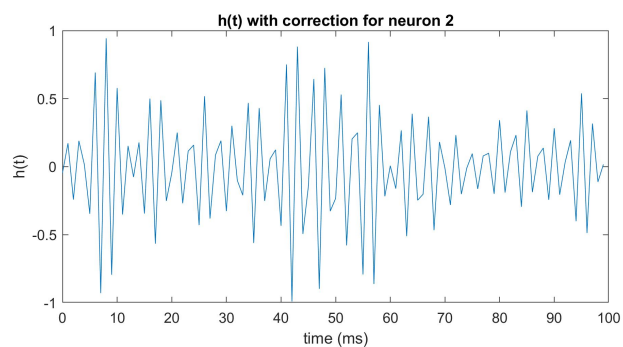
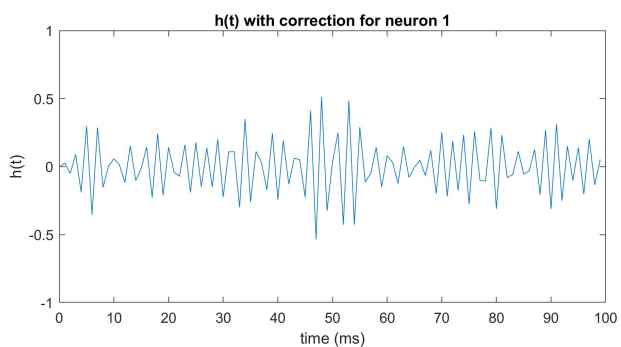
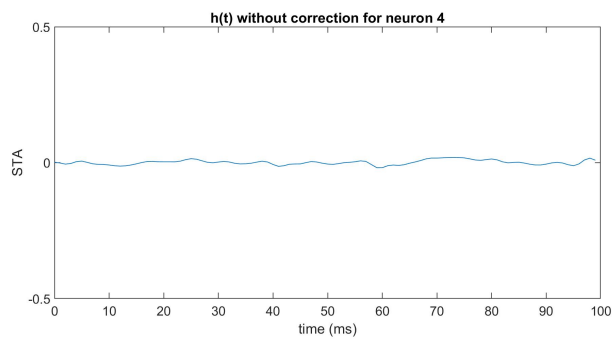
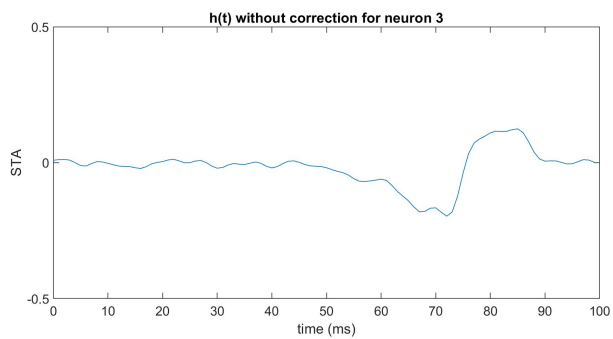
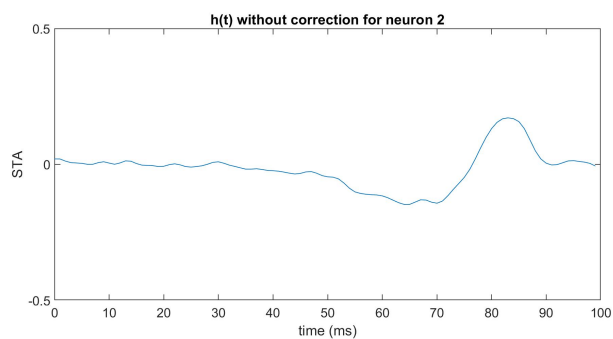
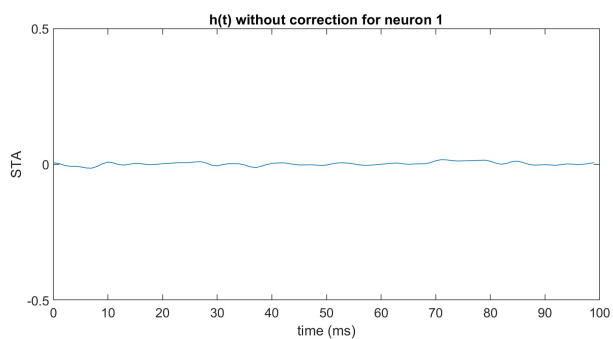
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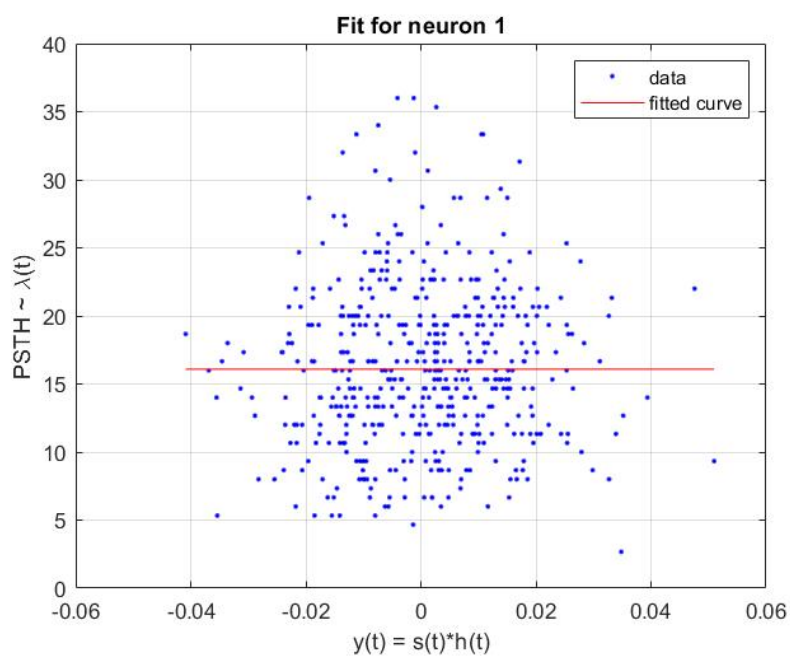
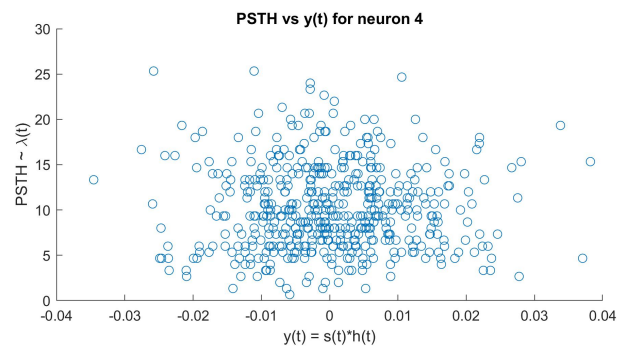
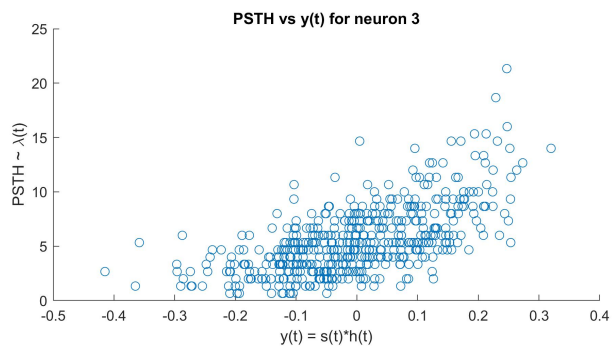
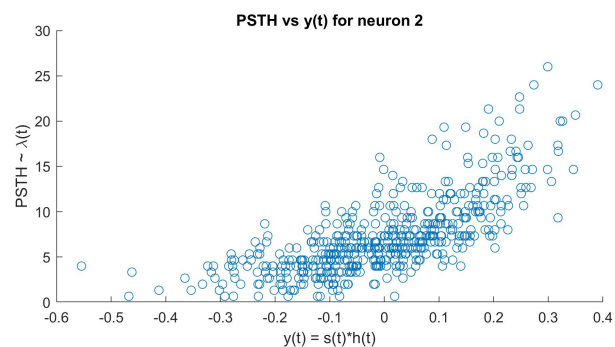
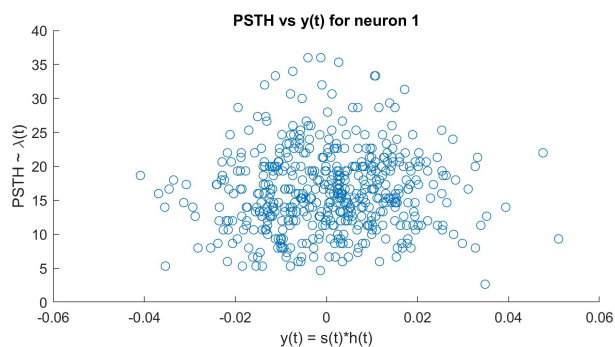
For a poisson process, mean vs variance should be a diagonal line through origin ($y = x$). 10ms, 20 ms, 50ms have some resemblance of poisson. The others dont.

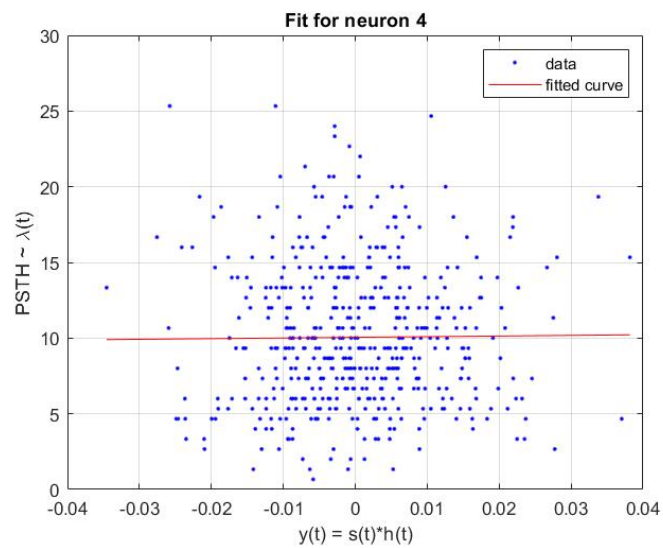
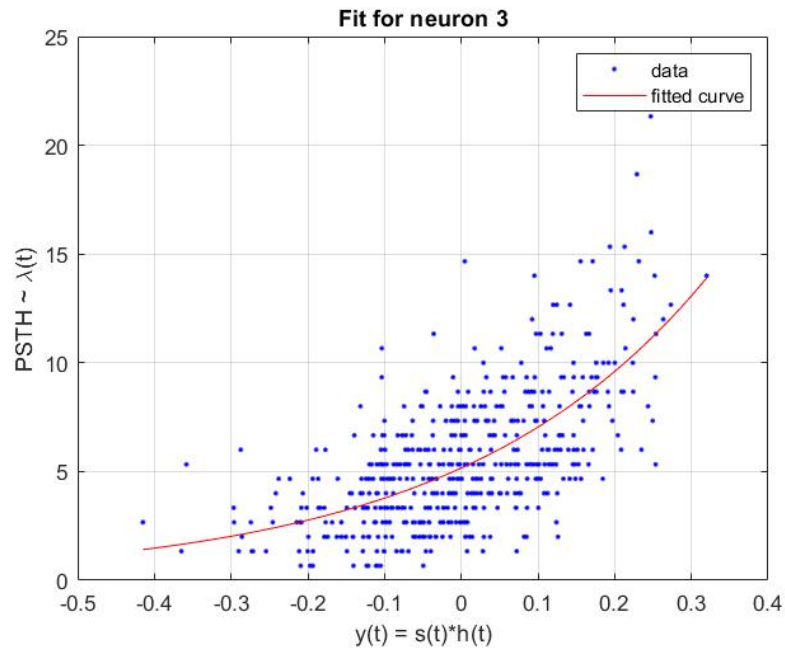
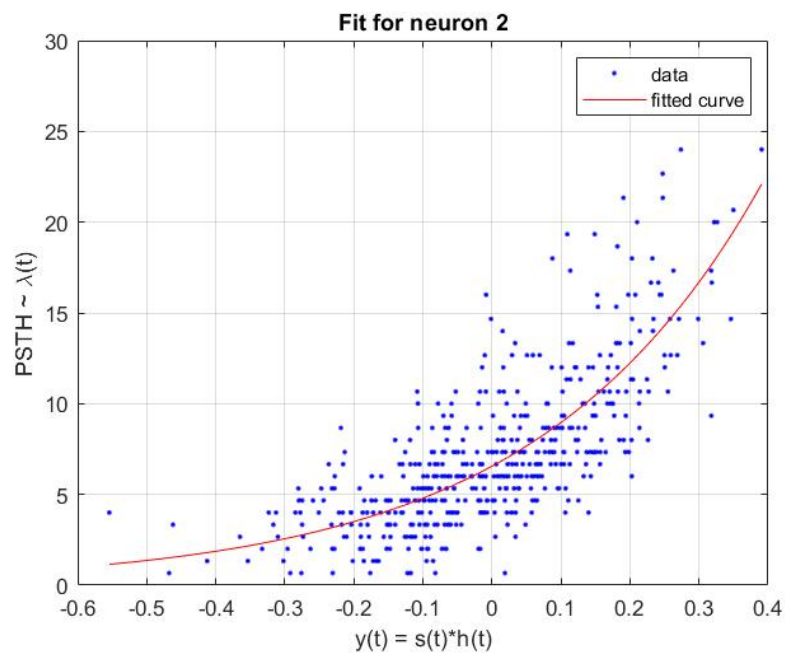


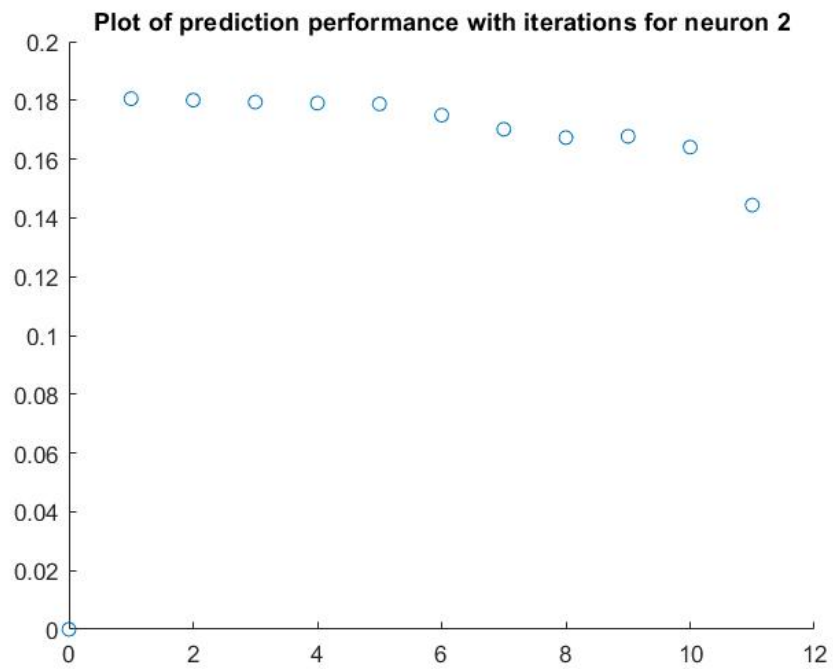
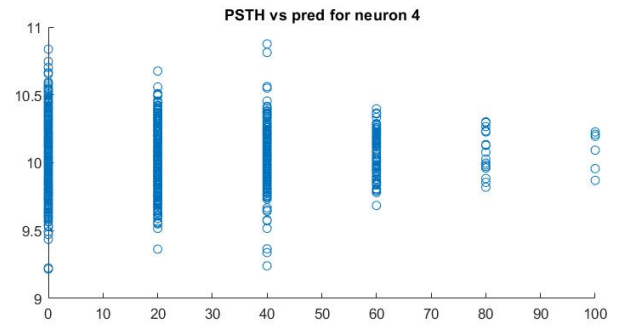
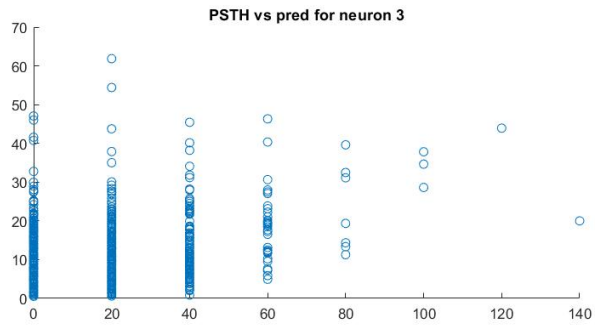
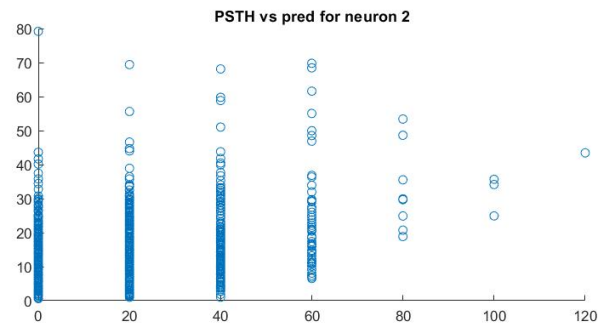
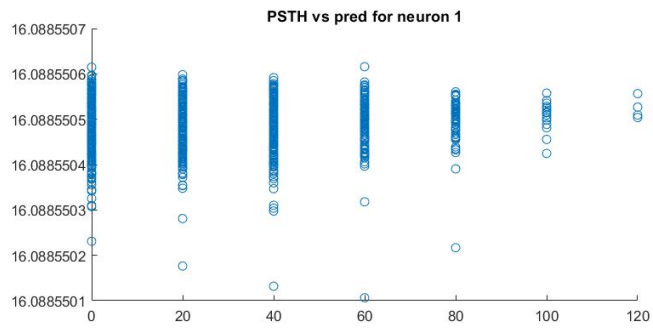


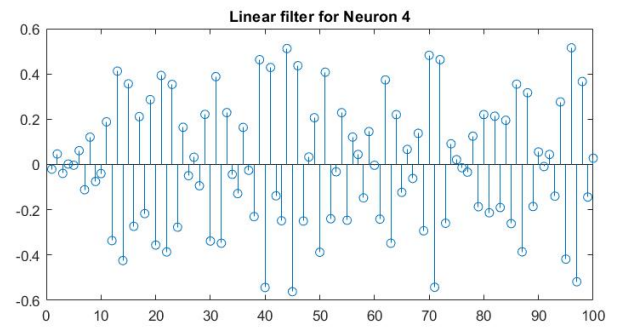
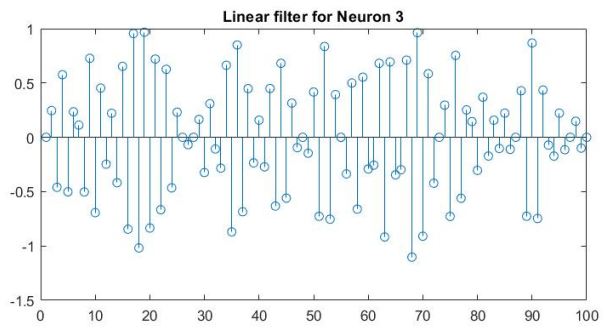
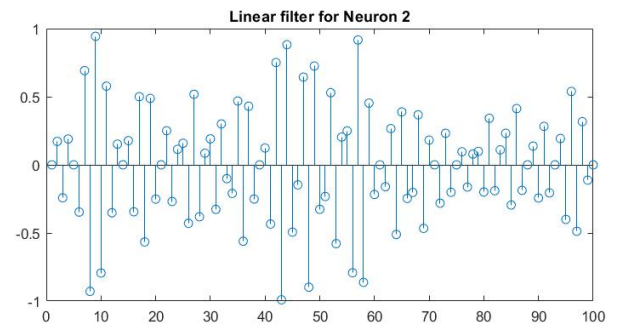
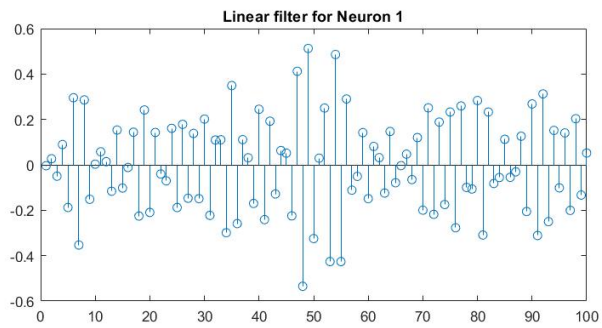
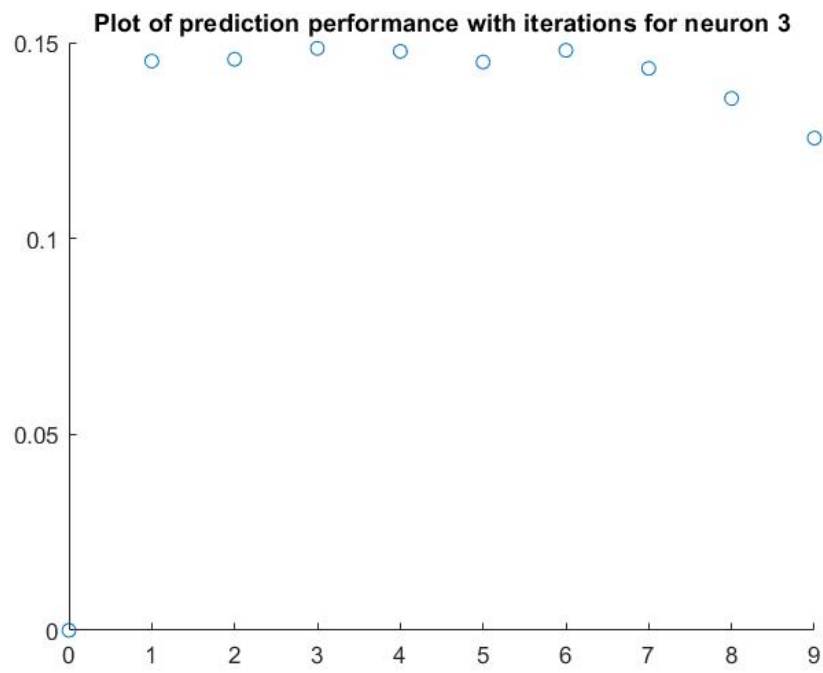


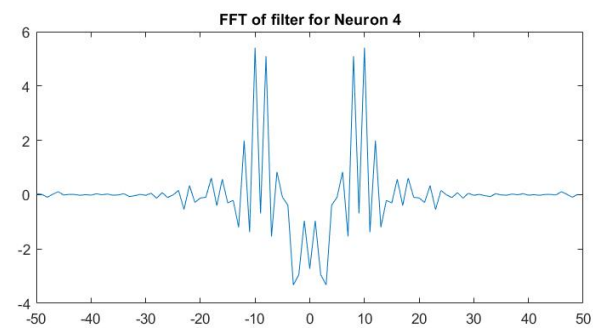
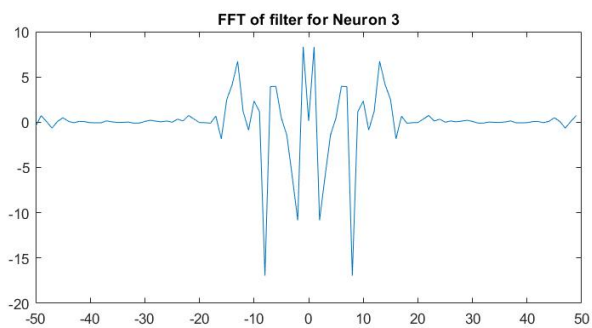
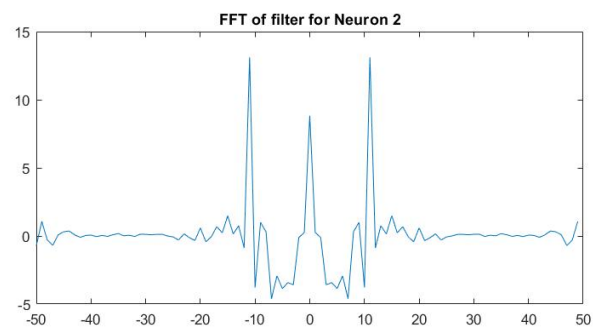
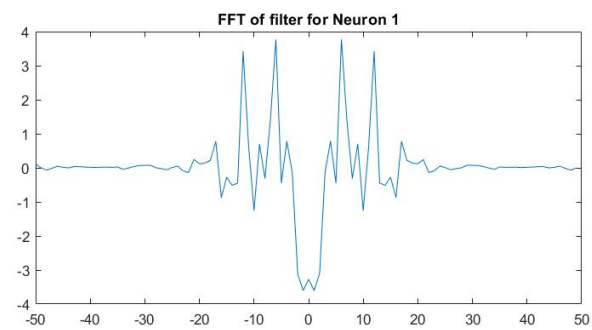












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