

Computational Neuroscience Coursework 2 – ah16165

Question 1

0ms refractory period:

Fano Factor with 10ms intervals = 1.0024

Fano Factor with 50ms intervals = 0.9978

Fano Factor with 100ms intervals = 0.9855

Coefficient of Deviation = 0.9999

5ms refractory period:

Fano Factor with 10ms intervals = 0.7468

Fano Factor with 50ms intervals = 0.6936

Fano Factor with 100ms intervals = 0.6800

Coefficient of Deviation = 0.8237

Question 2

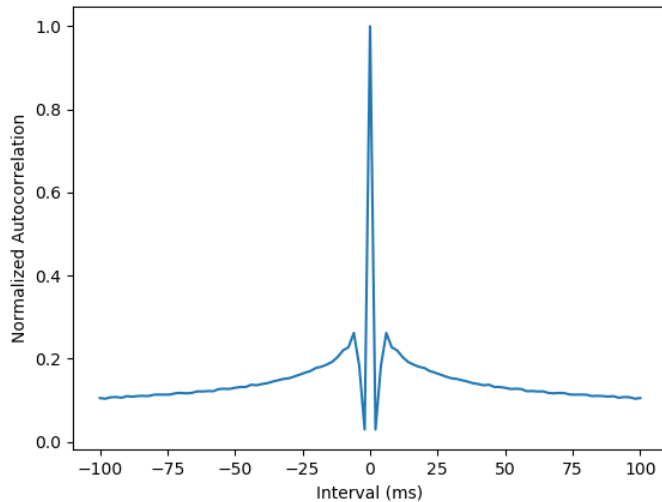
Fano Factor with 10ms intervals = 1.1193

Fano Factor with 50ms intervals = 2.9280

Fano Factor with 100ms intervals = 4.1011

Coefficient of Deviation = 2.0086

Question 3 Autocorrelogram for Rho Spike Train Data



Question 4 Spike Triggered Average

