Question 1

0ms refractory period	
Coefficient of variation	1.002458214868685
Fano Factor of 10 ms windows	0.9981993278392993
Fano Factor of 50 ms windows	1.0004967393481559
Fano Factor of 100 ms windows	1.005114004063296

5ms refractory period	
Coefficient of variation	0.828344694453743
Fano Factor of 10 ms windows	0.7560264932640106
Fano Factor of 50 ms windows	0.6916310444374227
Fano Factor of 100 ms windows	0.6870566483784794

Question 2

Collected for 20 mins at sampling rate of 500Hz	
Coefficient of variation	2.0085125289465235
Fano Factor of 10 ms windows	1.117680142627936
Fano Factor of 50 ms windows	2.9297562848640877
Fano Factor of 100 ms windows	4.102959520344769

Question 3

Spike Triggered Average over 100ms Window