**Sebastian Oakes – Computational Neuroscience Coursework 2**

**Spike trains with zero refractory period**

*Bin size = 10ms*

Fano factor = 1.0019232026672056

coefficient of variation = 0.9988039889270792

*Bin size = 50ms*

Fano factor = 0.9991372602463154

coefficient of variation = 1.0009683593511125

*Bin size = 100ms*

Fano factor = 1.0067486747810261

coefficient of variation = 1.0033609815319007

**Spike trains with 5ms refractory period**

*Bin size = 10ms*

Fano factor = 0.7472530066630444

coefficient of variation = 0.8217687476808799

*Bin size = 50ms*

Fano factor = 0.687211038961039

coefficient of variation = 0.8210689667744108

*Bin size = 100ms*

Fano factor = 0.6912649428074279

coefficient of variation = 0.8286690001450328