Three Point Process Datasets

Dataset 1:
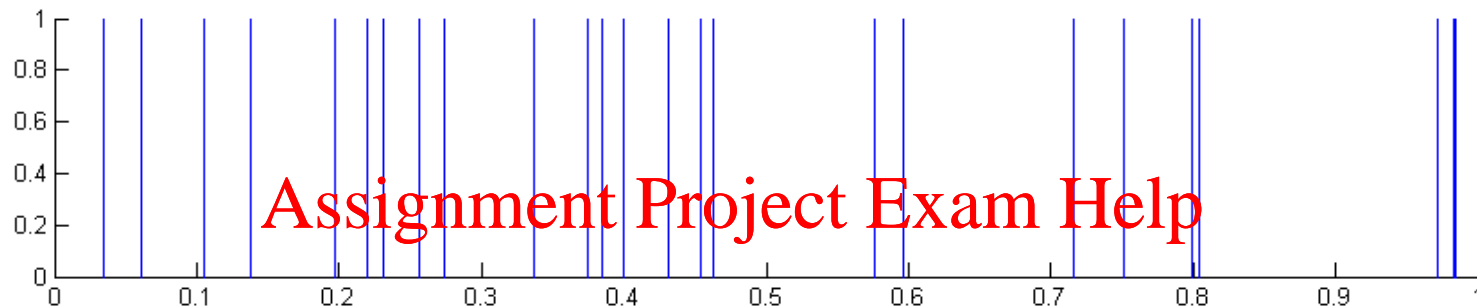
Assignment Project Exam Help

https://powcoder.com
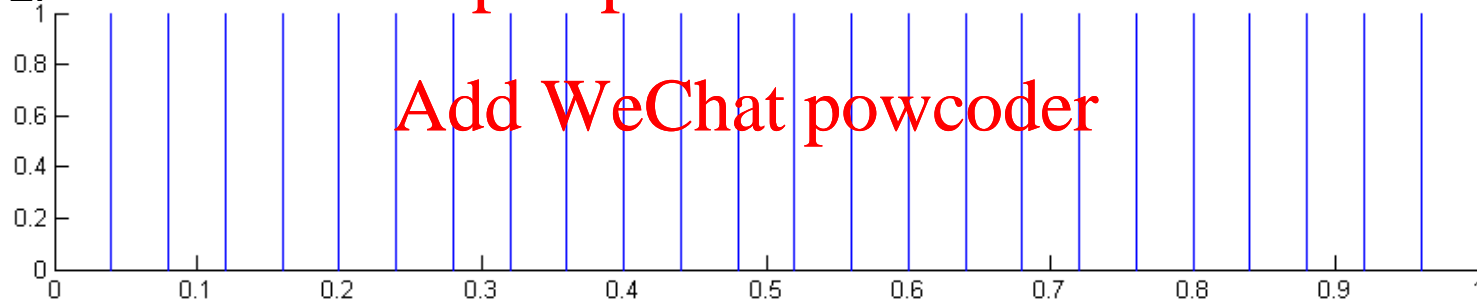
Add WeChat powcoder

Dataset 2:

Dataset 3:

Time (sec)

Poisson Likelihood
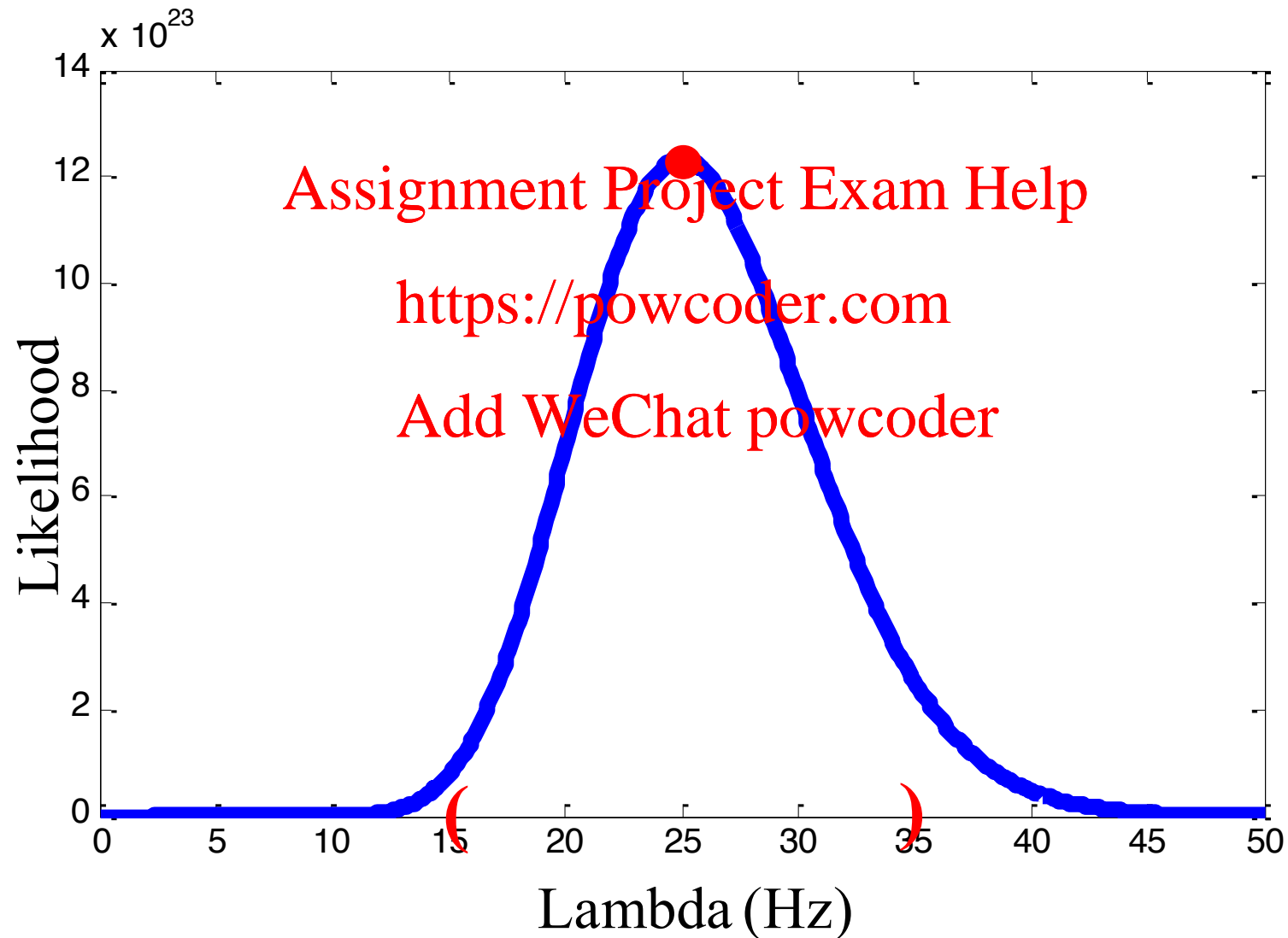
Spike Train Data

Dataset 1:

Dataset 2:

Dataset 3:

Time (sec)

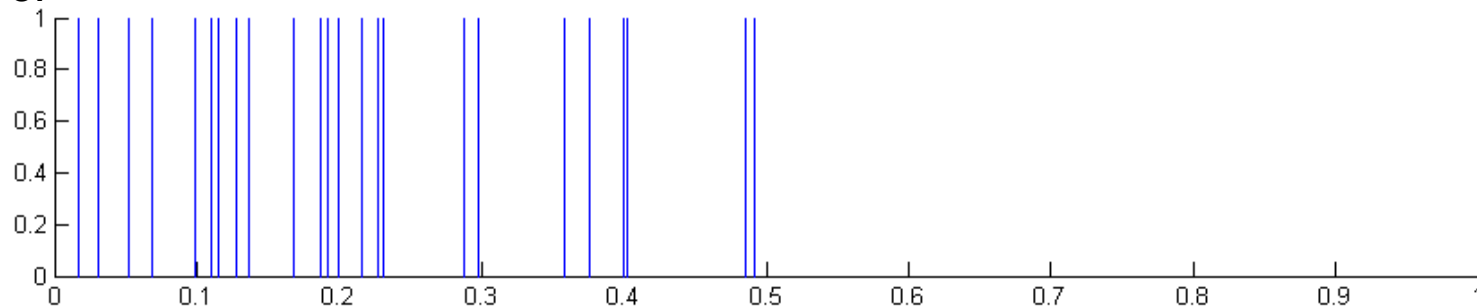# Waiting Time Data

Dataset 1:

Dataset 2:

Dataset 3:

Time (sec)

Waiting Time Histograms

Dataset 1:

Dataset 2:

Dataset 3:

Empirical Distributions
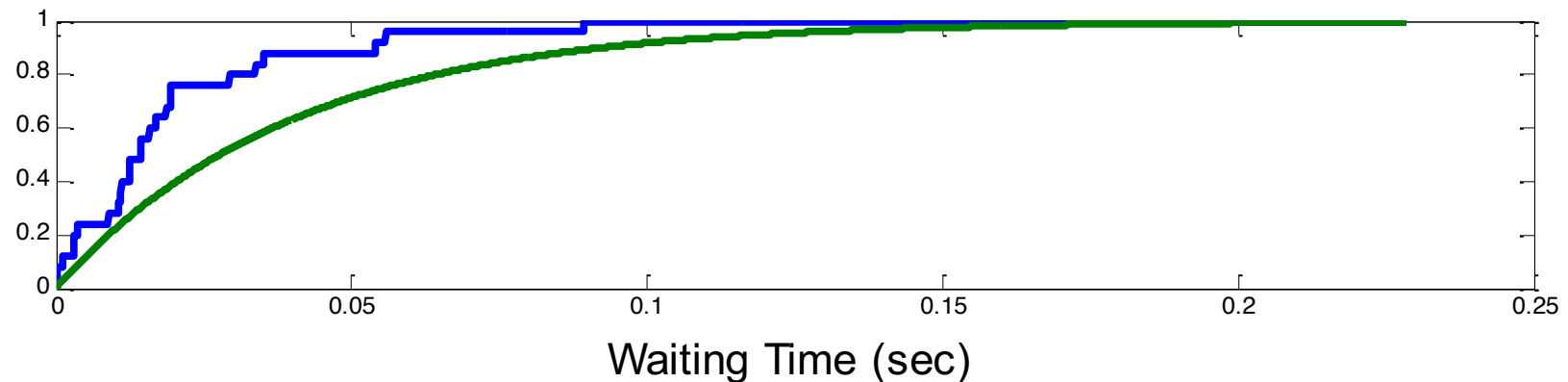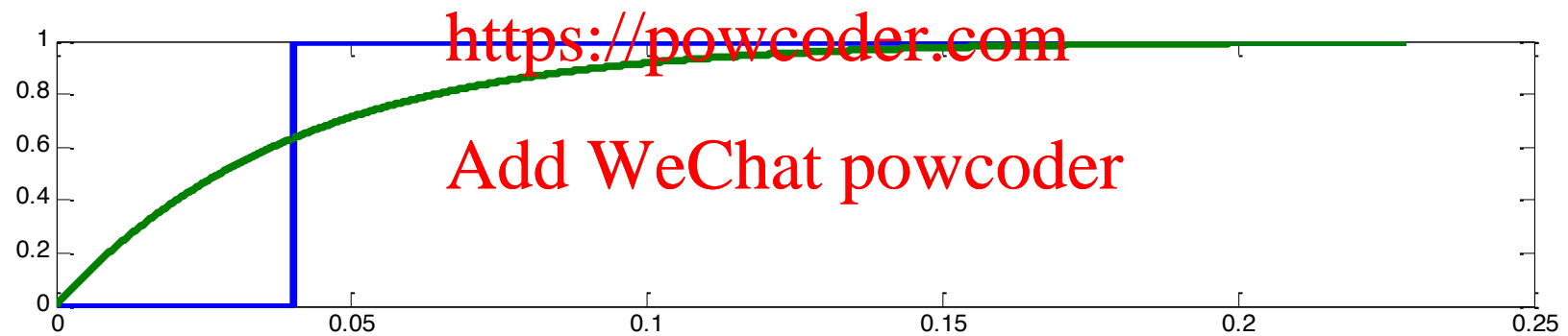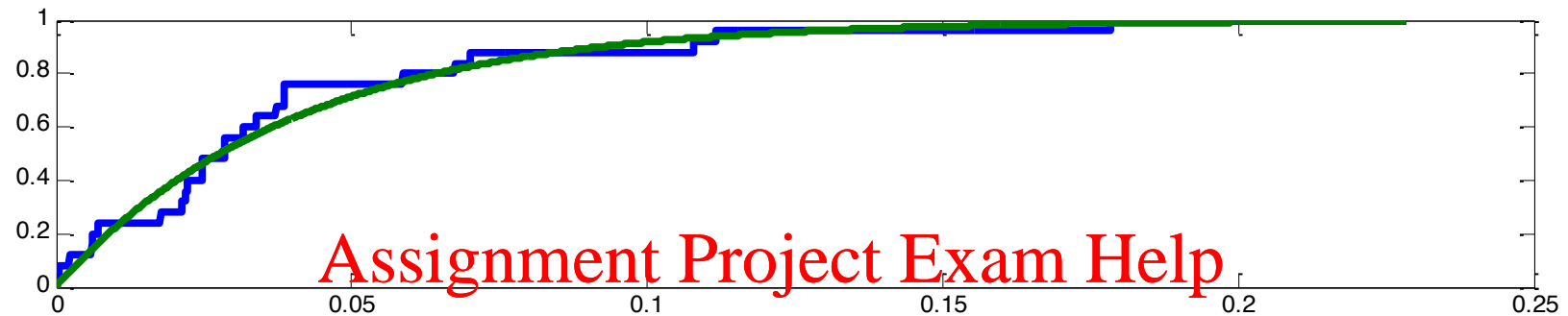
Assignment Project Exam Help

https://powcoder.com
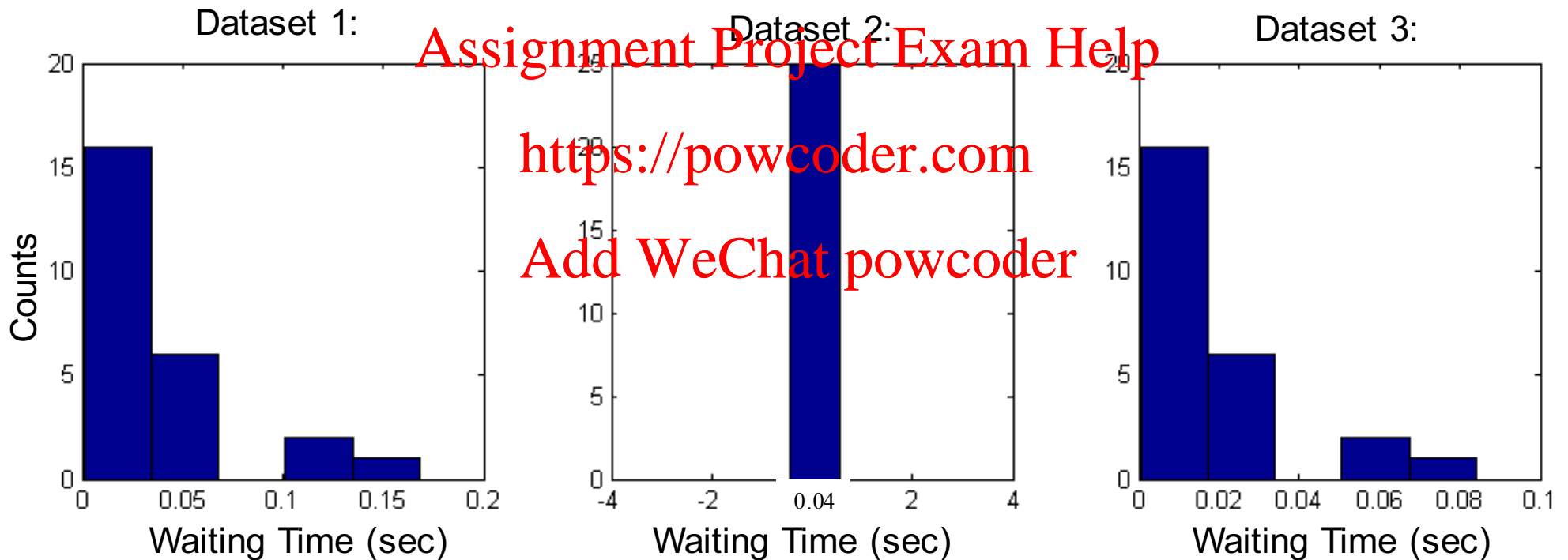
Add WeChat powcoder

Waiting Time (sec)

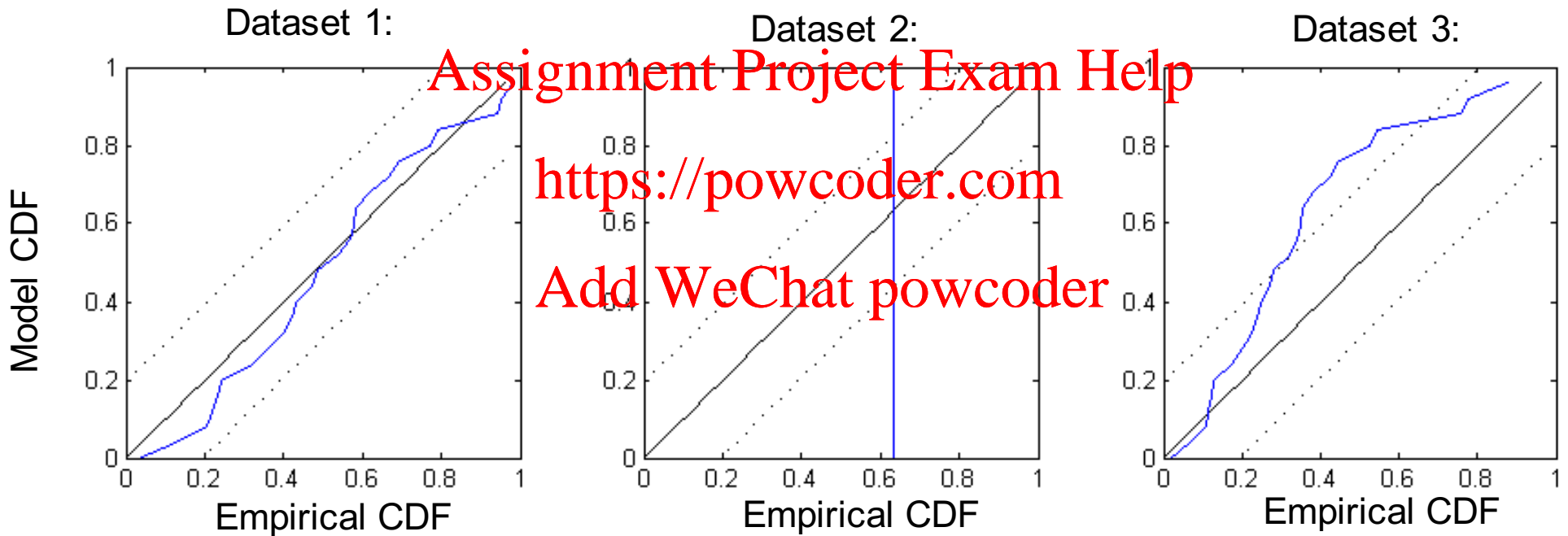# KS Plots

Dataset 1:

Dataset 2:

Dataset 3:

KS Plots

Dataset 1:

Model CDF

Empirical CDF

KS Stat = 0.126

Dataset 2:

Empirical CDF

KS Stat = 0.632

Dataset 3:

Empirical CDF

KS Stat = 0.312

QQ Plots

Dataset 1:

Dataset 2:

Dataset 3:

Model Quantiles

Empirical Quantiles

Empirical Quantiles
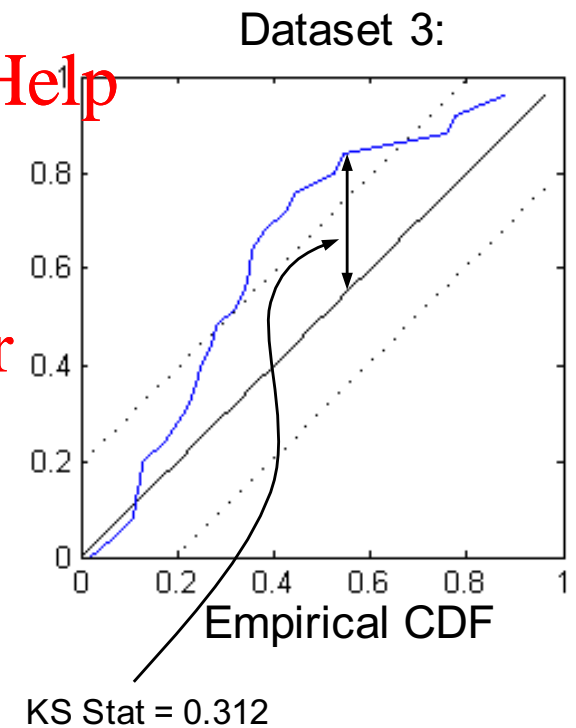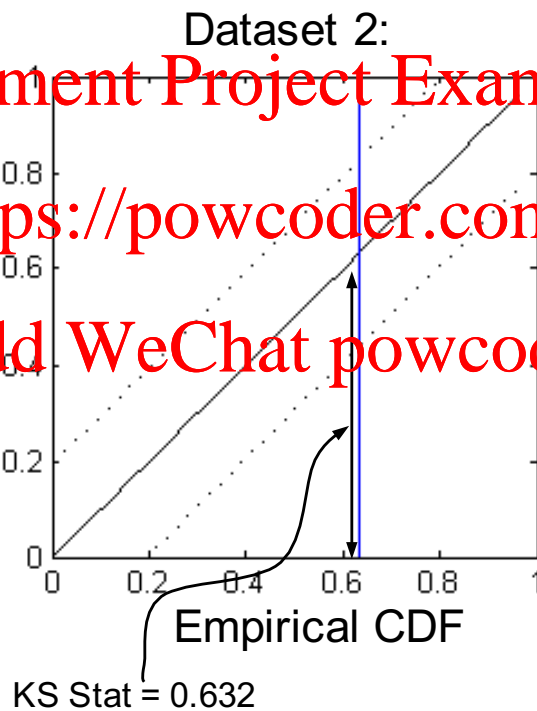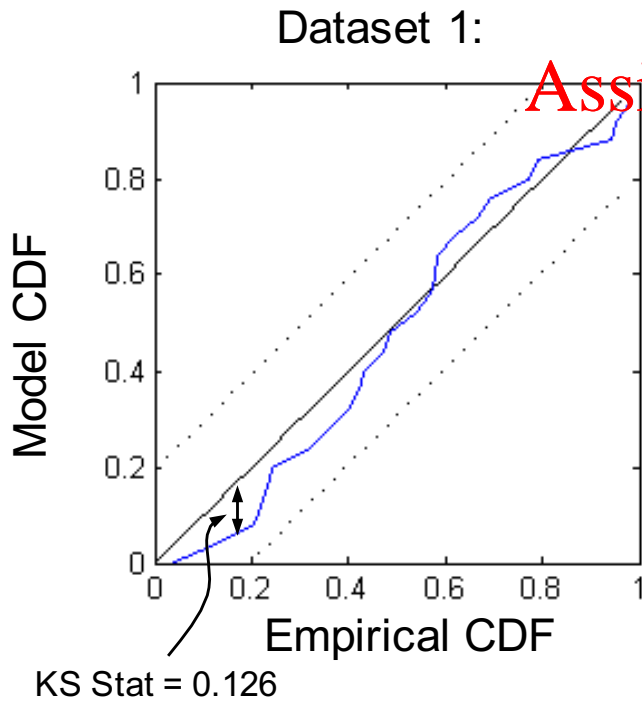
Empirical Quantiles
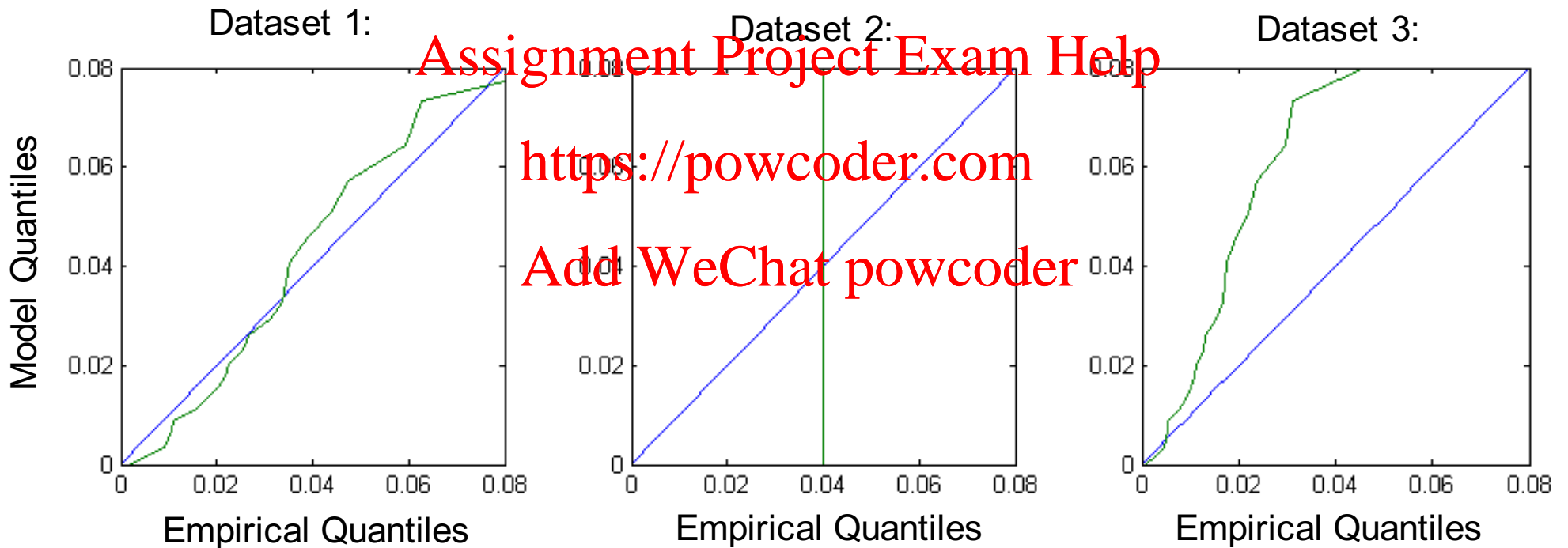
Waiting Time Autocorrelation Functions
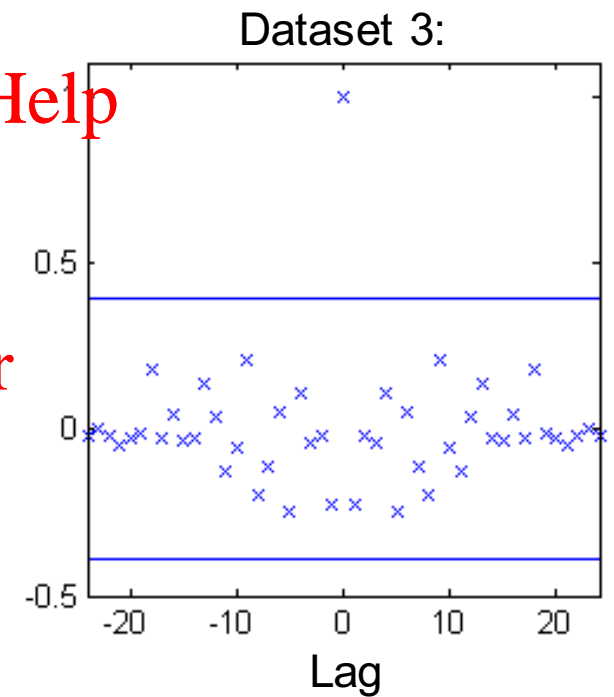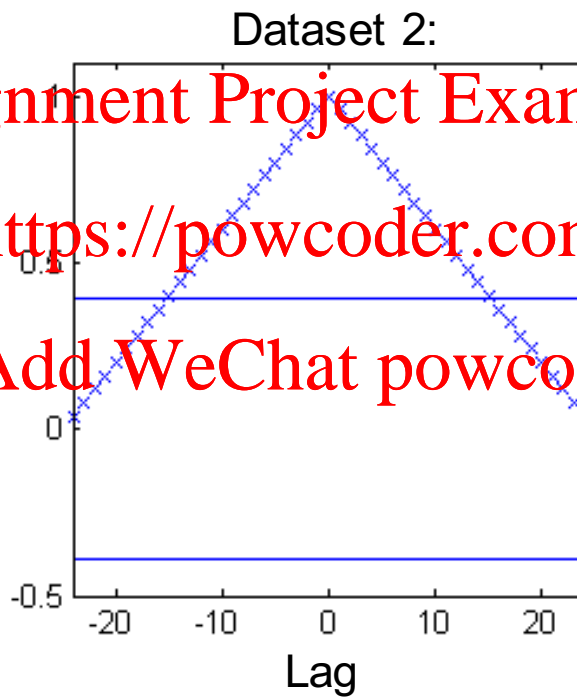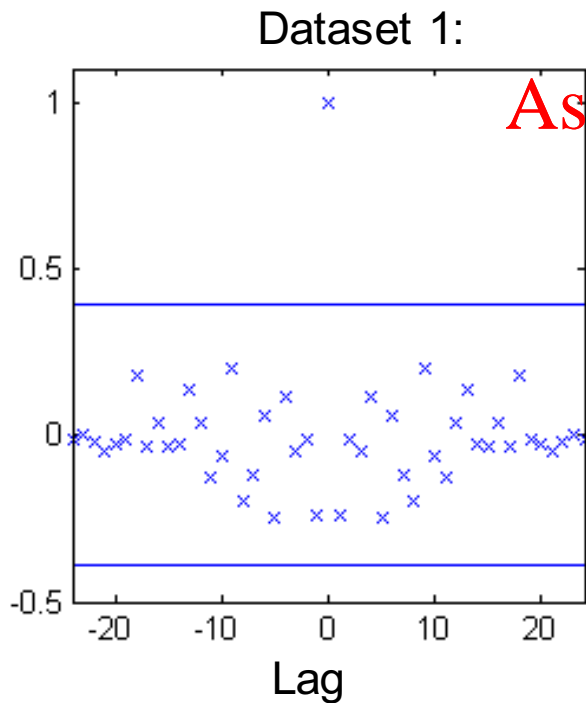
Dataset 1:

Dataset 2:

Dataset 3:

Fano Factor (1 msec bins)

Time (sec)
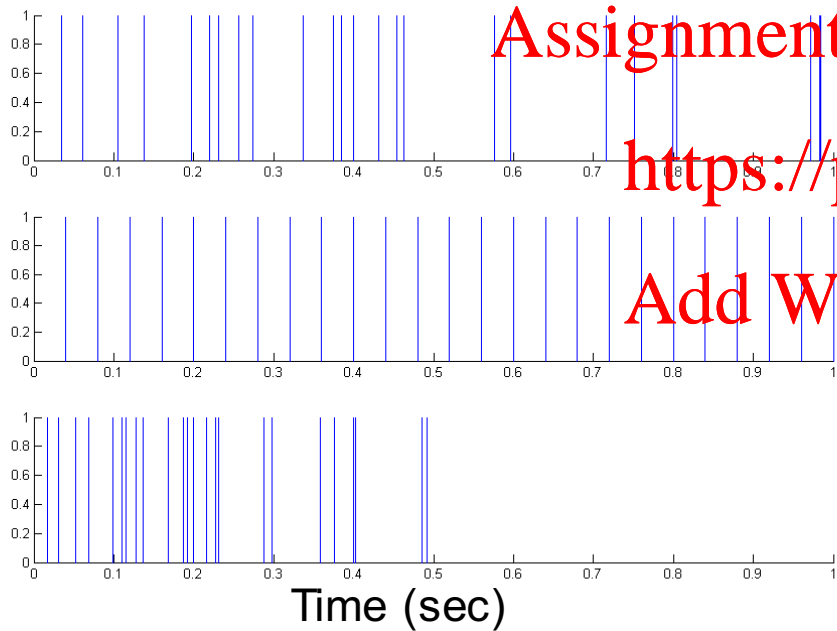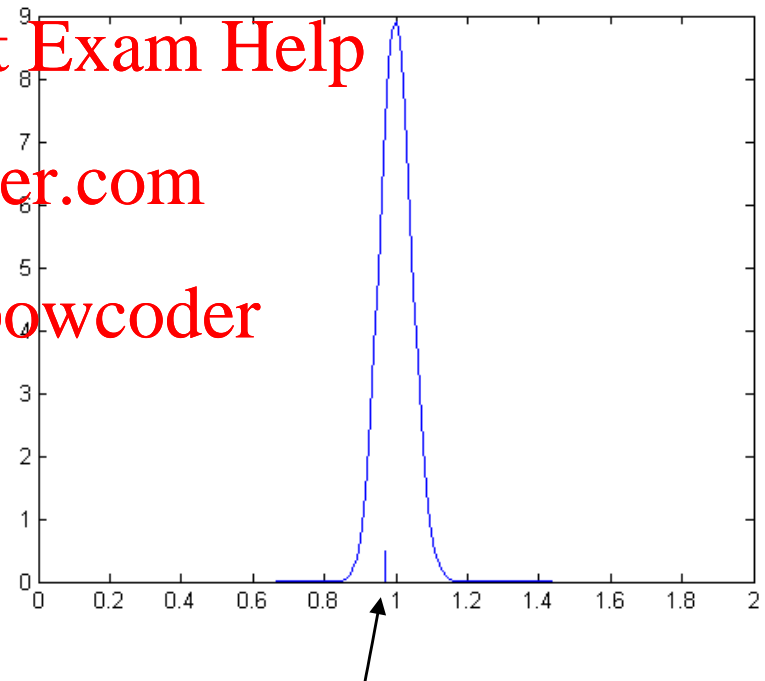
FF1,FF2,FF3

Fano Factor (40 msec bins)
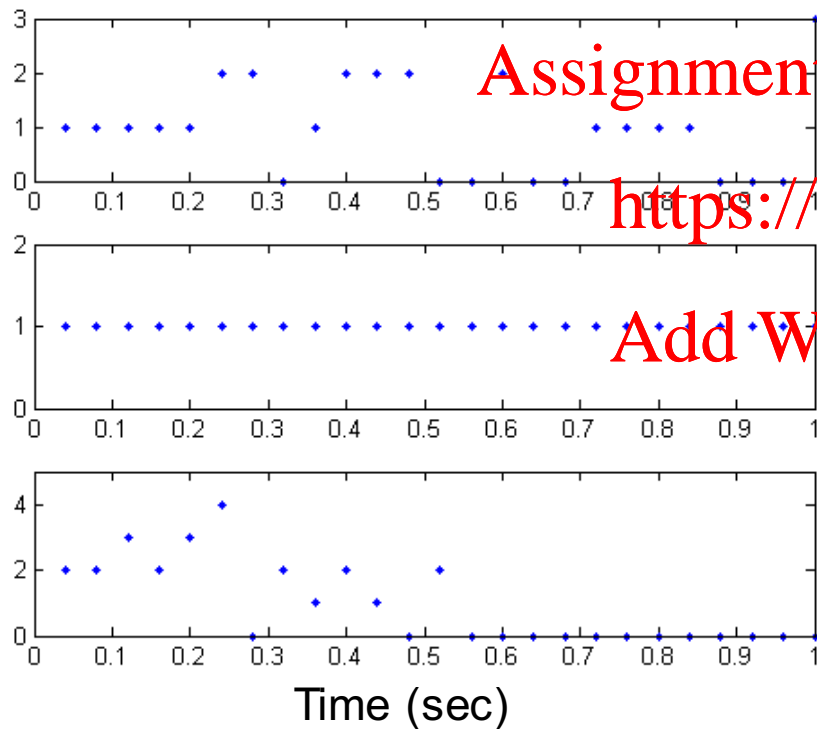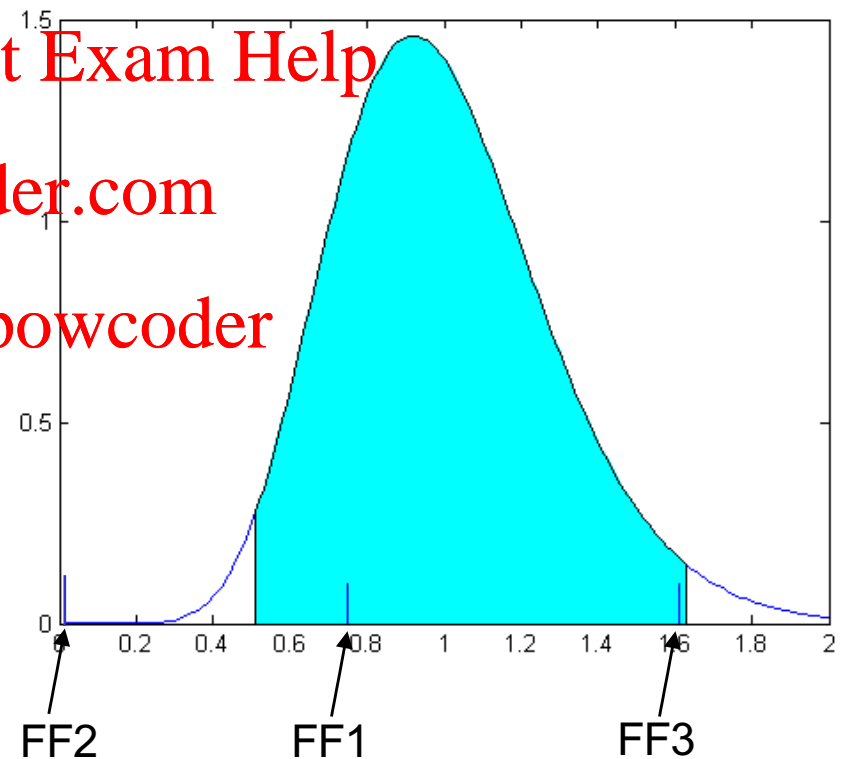
Summary

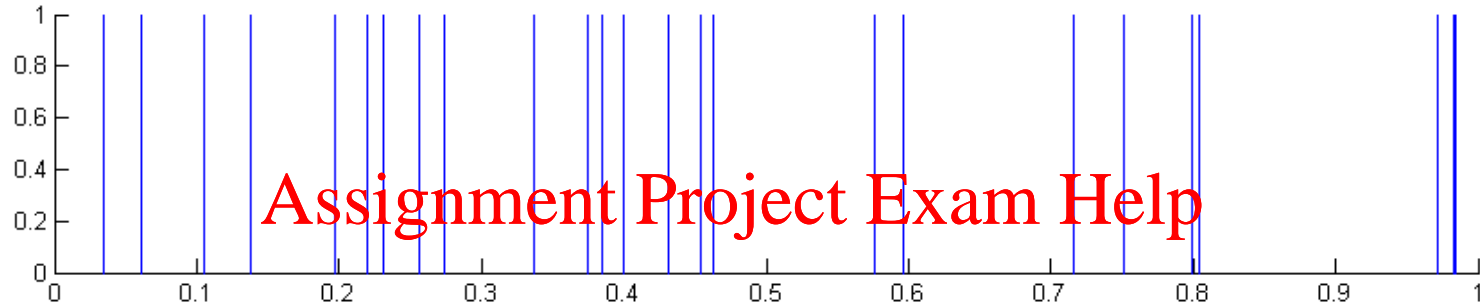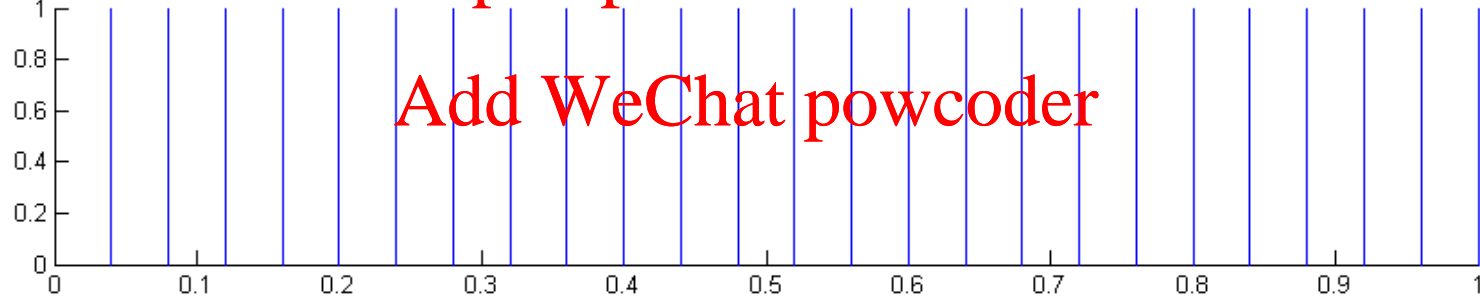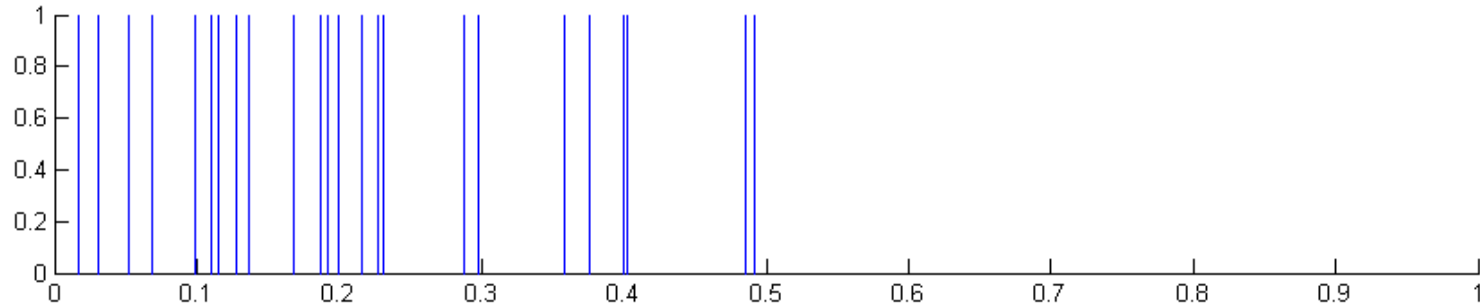|	Hist	KS	QQ	Fano Factor	ACF
Dataset 1	✓	✓	✓	✓	✓
Dataset 2	X	X	All Quantiles 0.04	X	X
Dataset 3	✓	X	Off by Factor of 2	✓	✓

Spike Train Data

Dataset 1:

Dataset 2:

Dataset 3:

Time (sec)