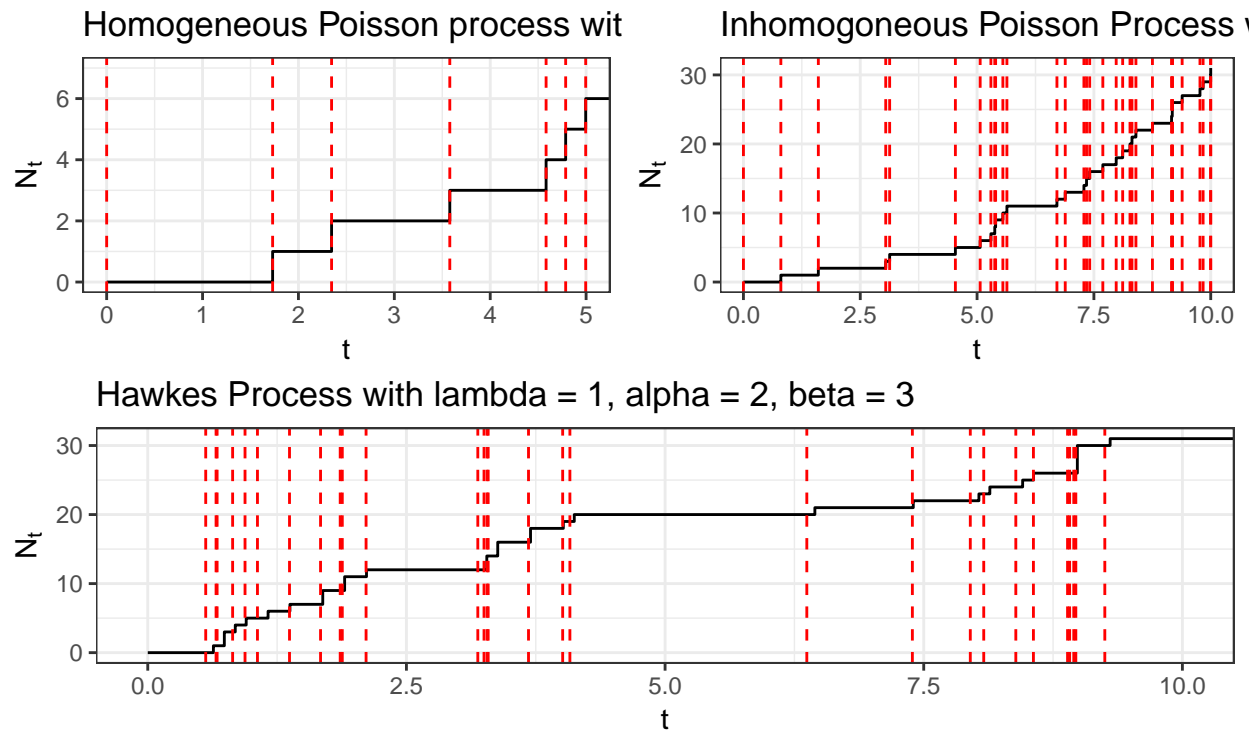


Simulation of Hawkes Process

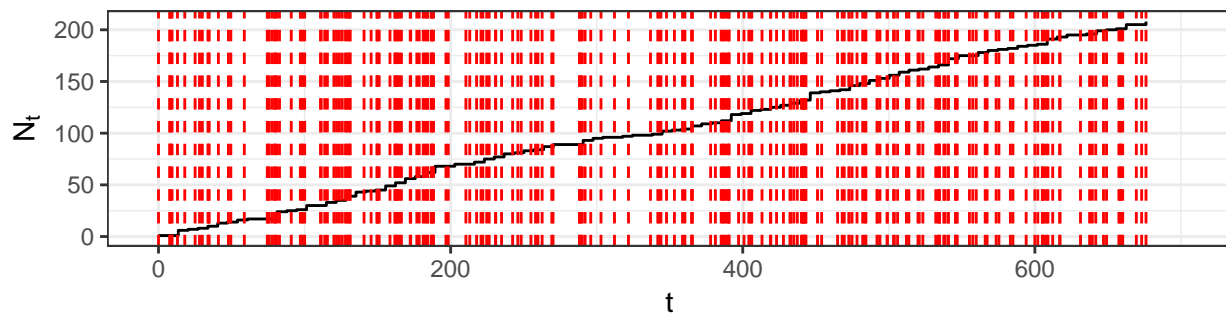
Suhas Shastry

11/29/2018

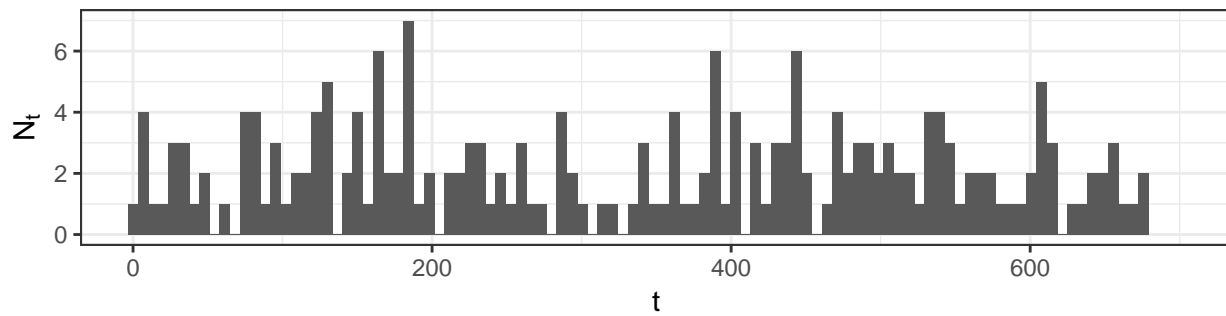


[1] 7.224359 19.273938 25.854809

Chicago Burglary data in Beat 423 from 2017 to present

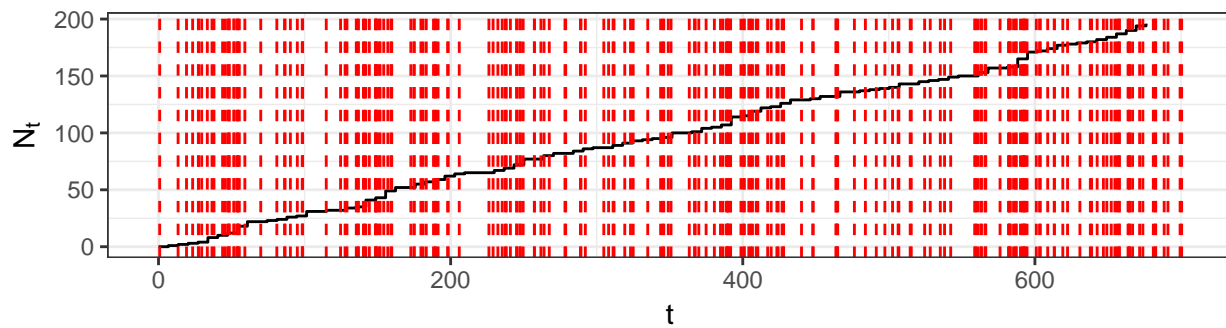


Chicago Burglary data in Beat 423 from 2017 to present

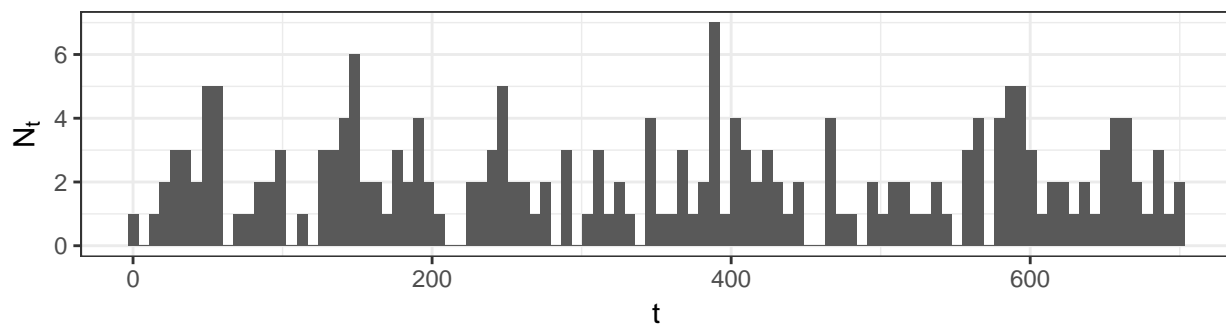


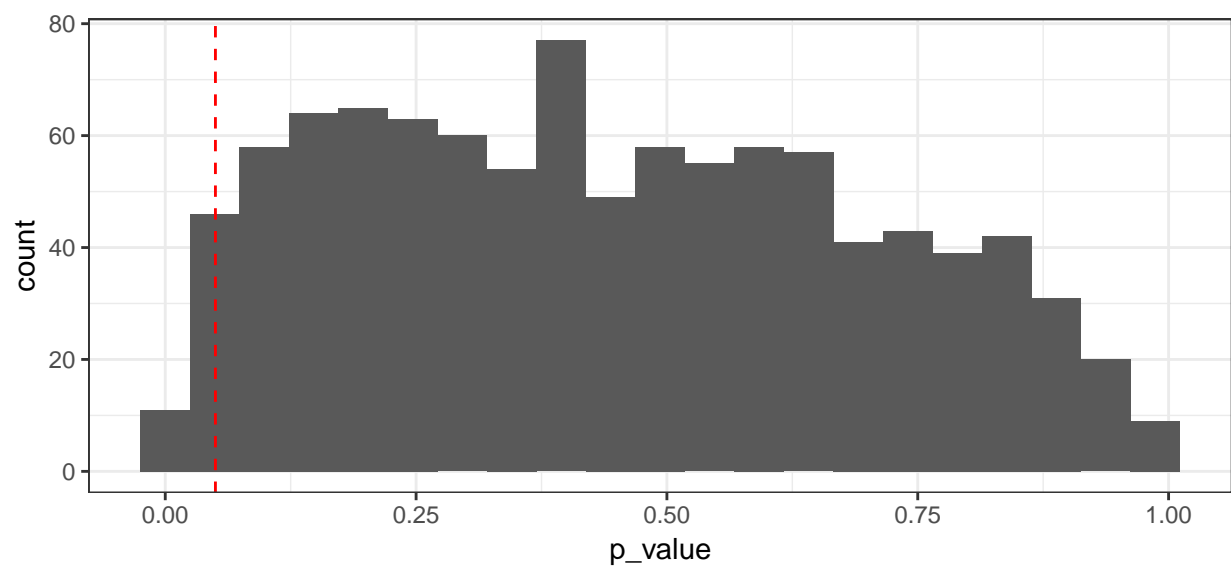
[1] 0.29168892 0.04131991 0.79237880

Simulated Hawkes data with lambda = 0.29, alpha = 0.04,
beta = 0.79



Simulated Hawkes data with lambda = 0.29, alpha = 0.04,
beta = 0.79





```
## [1] 0.035
```