

# Storage

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## Parâmetros

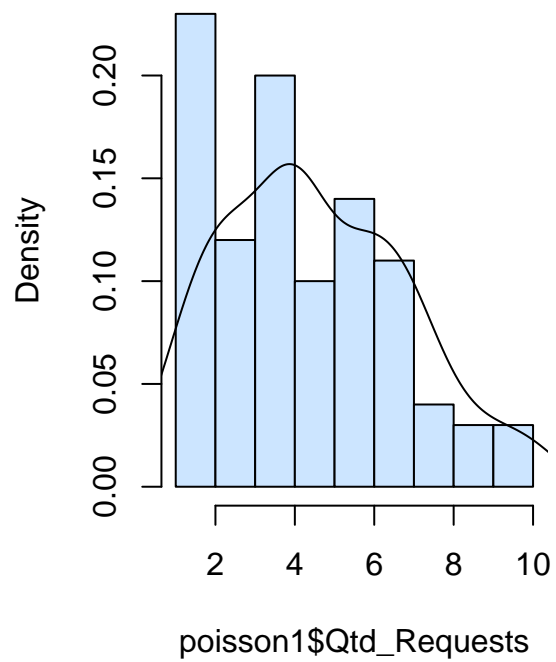
Parâmetros	Valores
alfa zipf	0.8
lambda	5
n	100
beta	0.2
BS	32
Cache	100
UE	200
Storage	MBS: 10/20/30/40/50/60GB - SBS: 4/6/8/10/12GB
Coverage	MBS 300 SBS 70
RTT inicial	CS/MBS 0.001s(1ms) MBS/MBS 0.001s(1ms) MBS/SBS 0.001s(1ms) SBS/UE 0.001s(1ms)
Tempo da Requisição	10 eventos
Mobilidade	40m

## Informações da Aplicação.

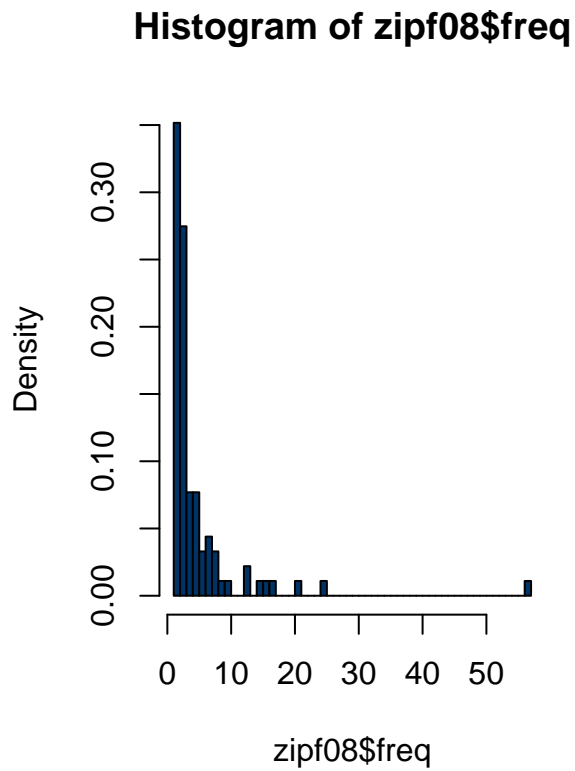
Vazão Mínima	Tamanho da Cache	Buffer
100 Mbps	2GB/2000MB	48Mb
100 Mbps	4GB/4000MB	48Mb
100 Mbps	8GB/8000MB	48Mb

Distribuição das Requisições.

## Histogram of poisson1\$Qtd\_Reques



Distribuição de popularidade do conteúdo solicitado.



Taxa de requisições alocadas.

$\alpha : 0.2 = 100\% - 454/454.$

$\alpha : 0.4 = 100\% - 454/454.$

$\alpha : 0.6 = 100\% - 454/454.$

$\alpha : 0.8 = 100\% - 454/454.$

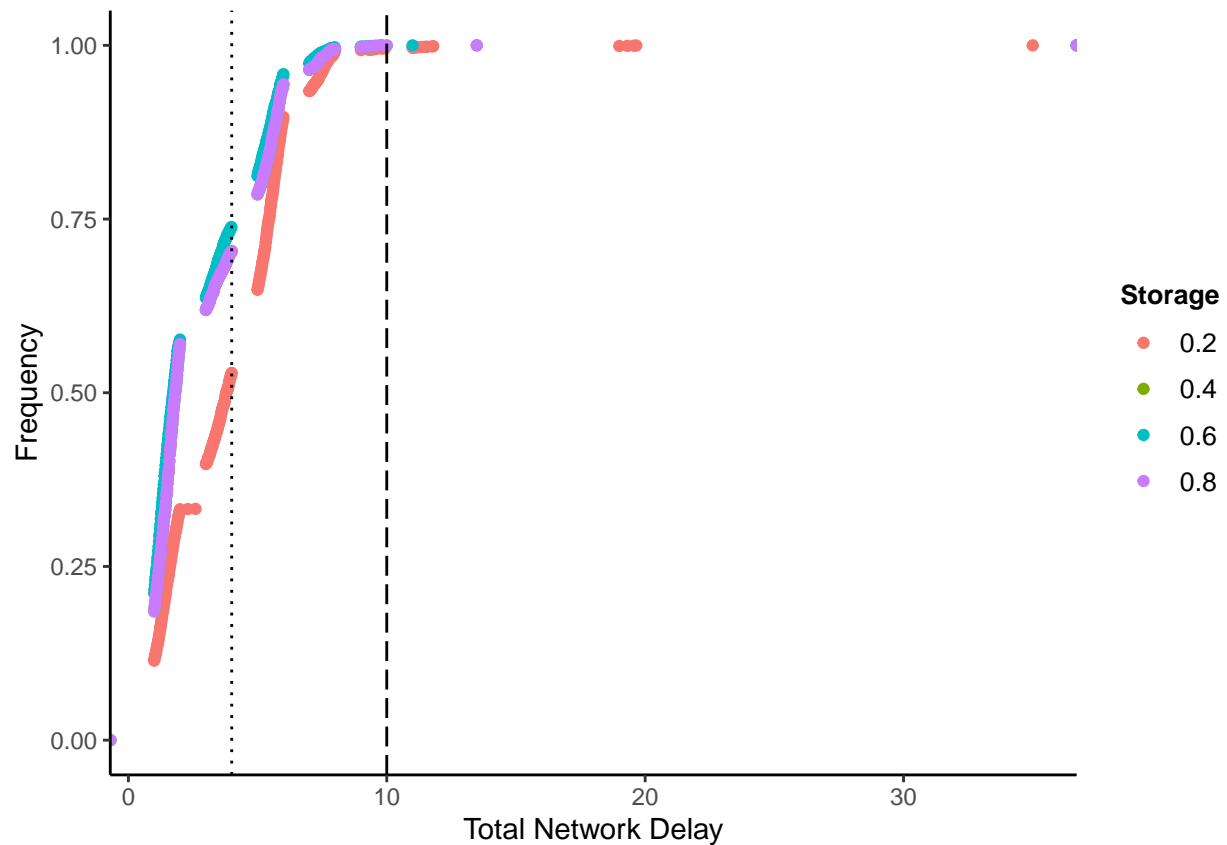
$\alpha : 1.0 = 100\% - 454/454.$

$\alpha : 1.2 = 100\% - 454/454.$

Distribuição da Latência

## Saving 6.5 x 4.5 in image

## Saving 6.5 x 4.5 in image



*Storage: 0.2*

Em 52.74% da amostra a latência das requisições são menores que 4 milisegundos.

Em 99.55% da amostra a latência das requisições são menores que 10 milisegundos.

*Storage: 0.4*

Em 70.32% da amostra a latência das requisições são menores que 4 milisegundos.

Em 99.95% da amostra a latência das requisições são menores que 10 milisegundos.

*Storage: 0.6*

Em 73.86% da amostra a latência das requisições são menores que 4 milisegundos.

Em 99.98% da amostra a latência das requisições são menores que 10 milisegundos.

*Storage: 0.8*

Em 70.32% da amostra a latência das requisições são menores que 4 milisegundos.

Em 99.95% da amostra a latência das requisições são menores que 10 milisegundos.

*Storage: 1.0*

Em 73.86% da amostra a latência das requisições são menores que 4 milisegundos.

Em 99.98% da amostra a latência das requisições são menores que 10 milisegundos.

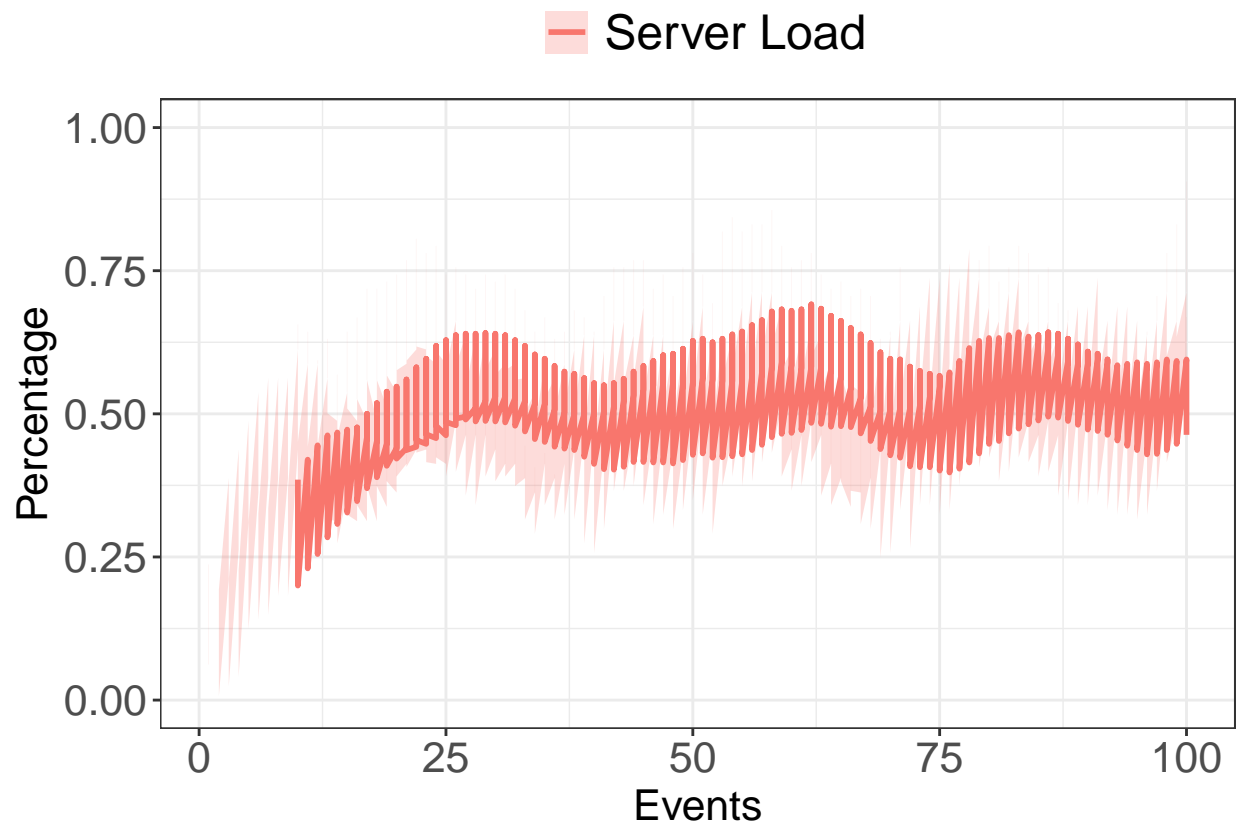
*Storage: 1.2*

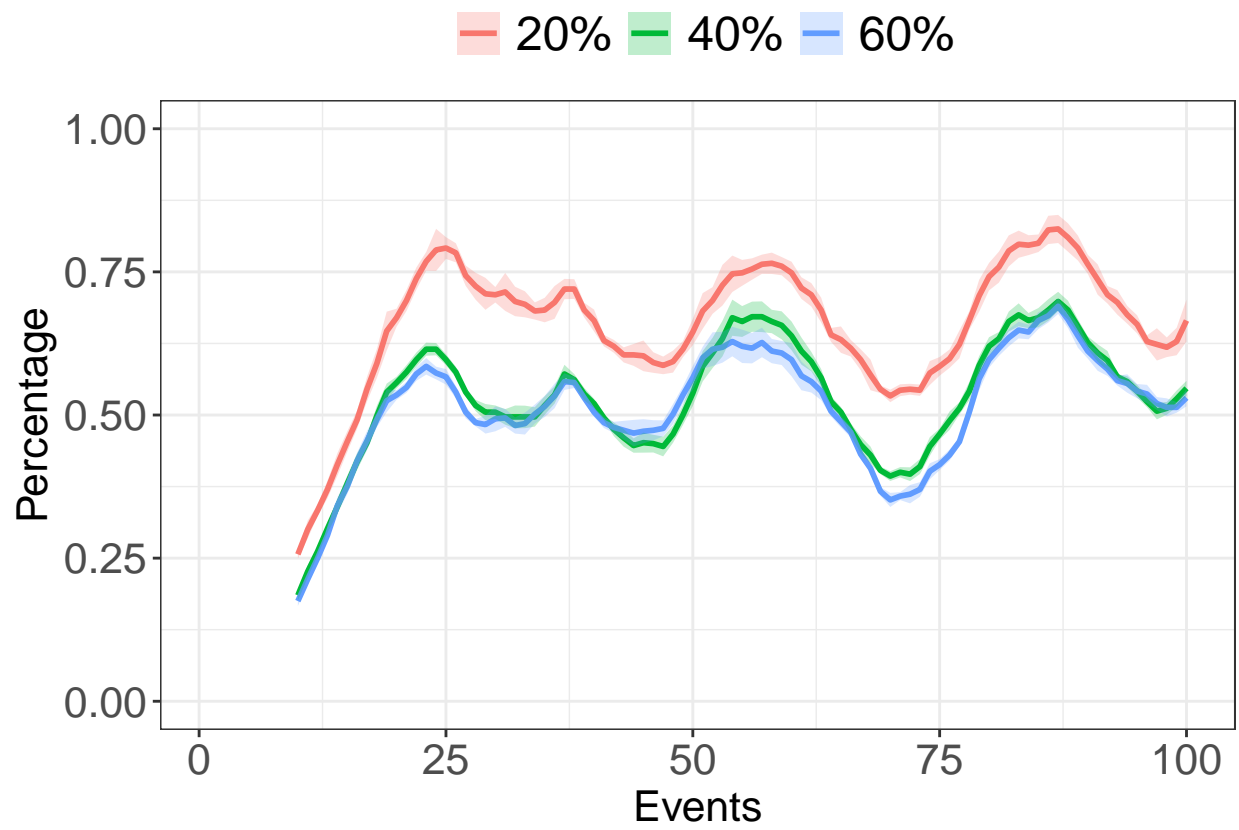
Em 70.32% da amostra a latência das requisições são menores que 4 milisegundos.

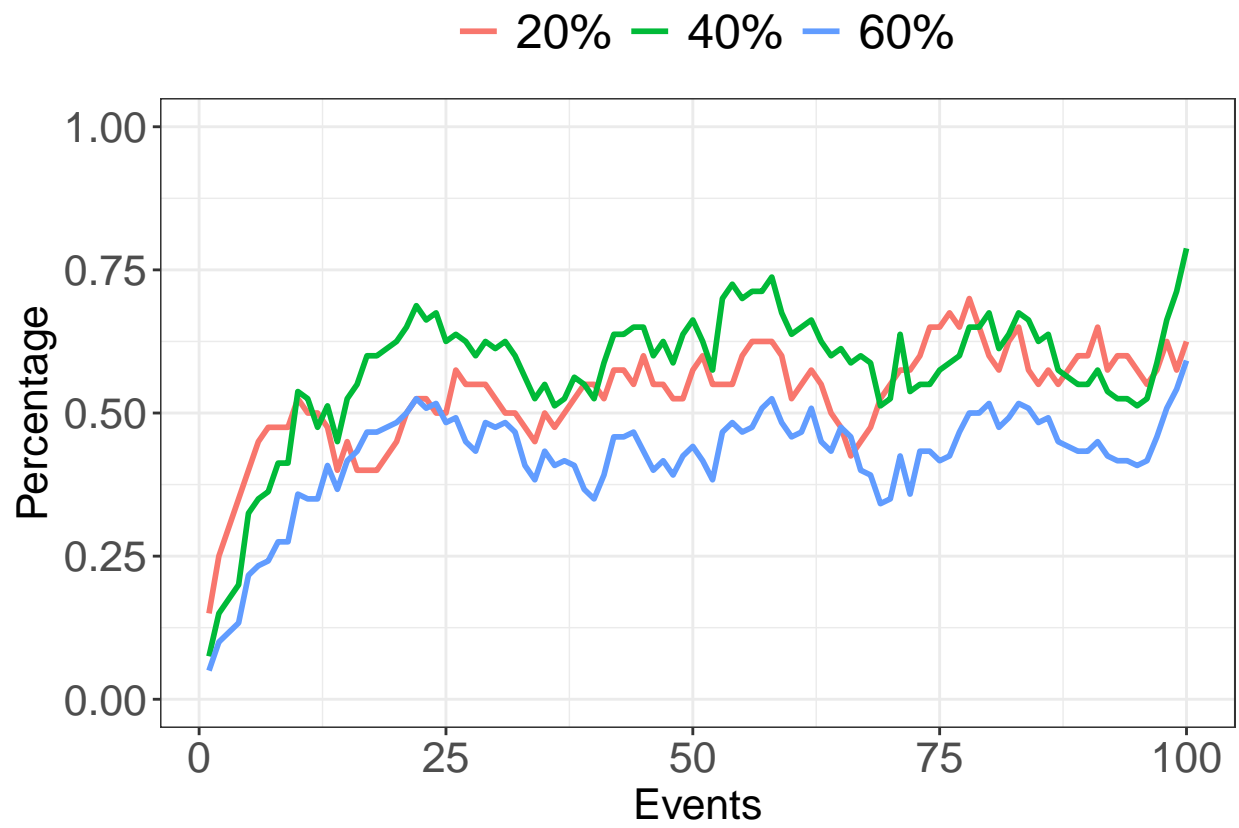
Em 99.95% da amostra a latência das requisições são menores que 10 milisegundos.

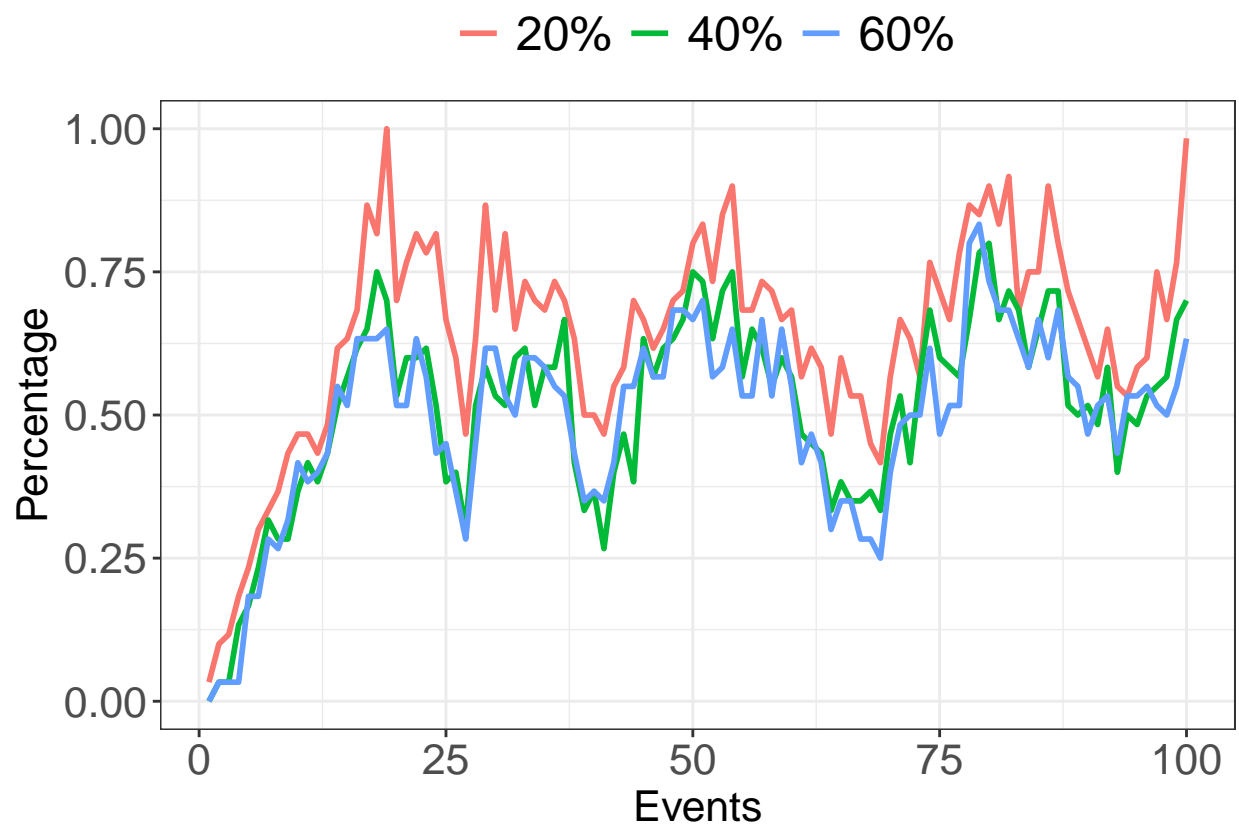
Cache, Cloud e Storage.

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## Saving 6.5 x 4.5 in image
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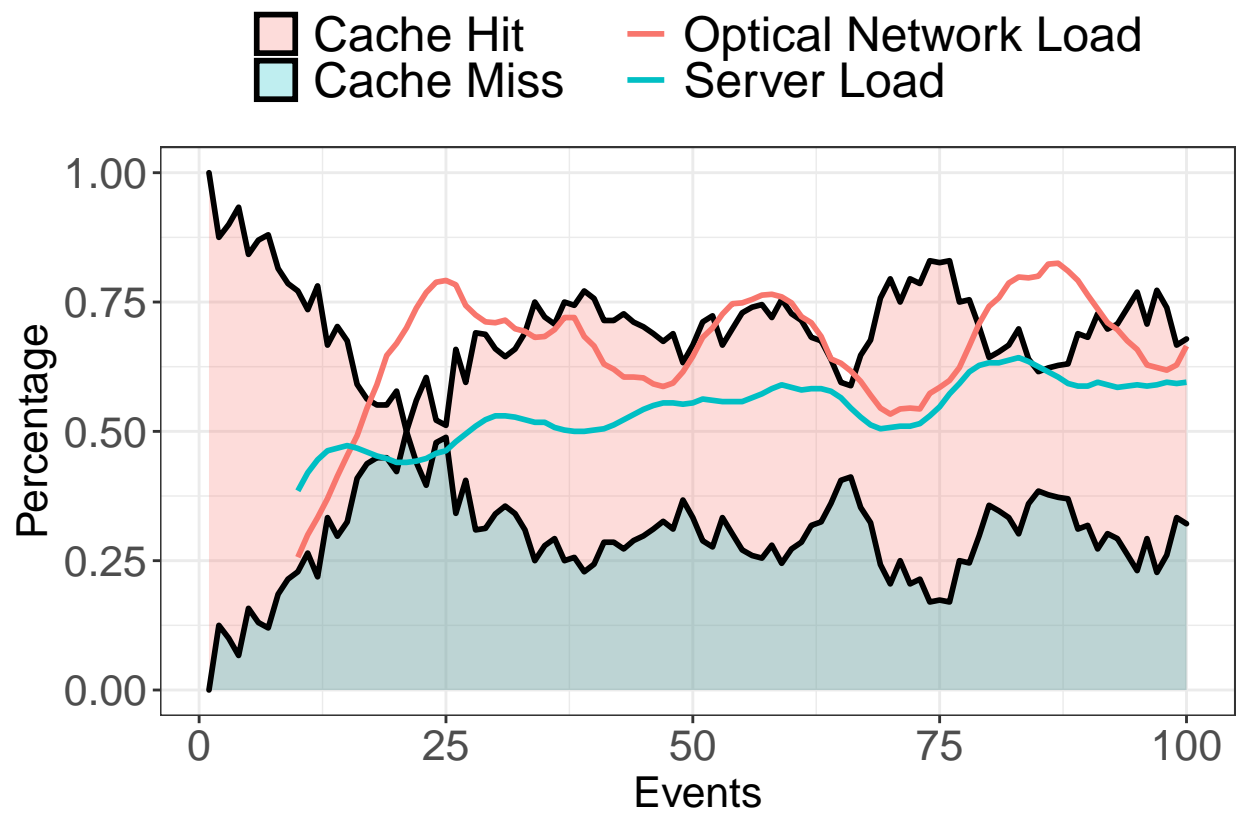


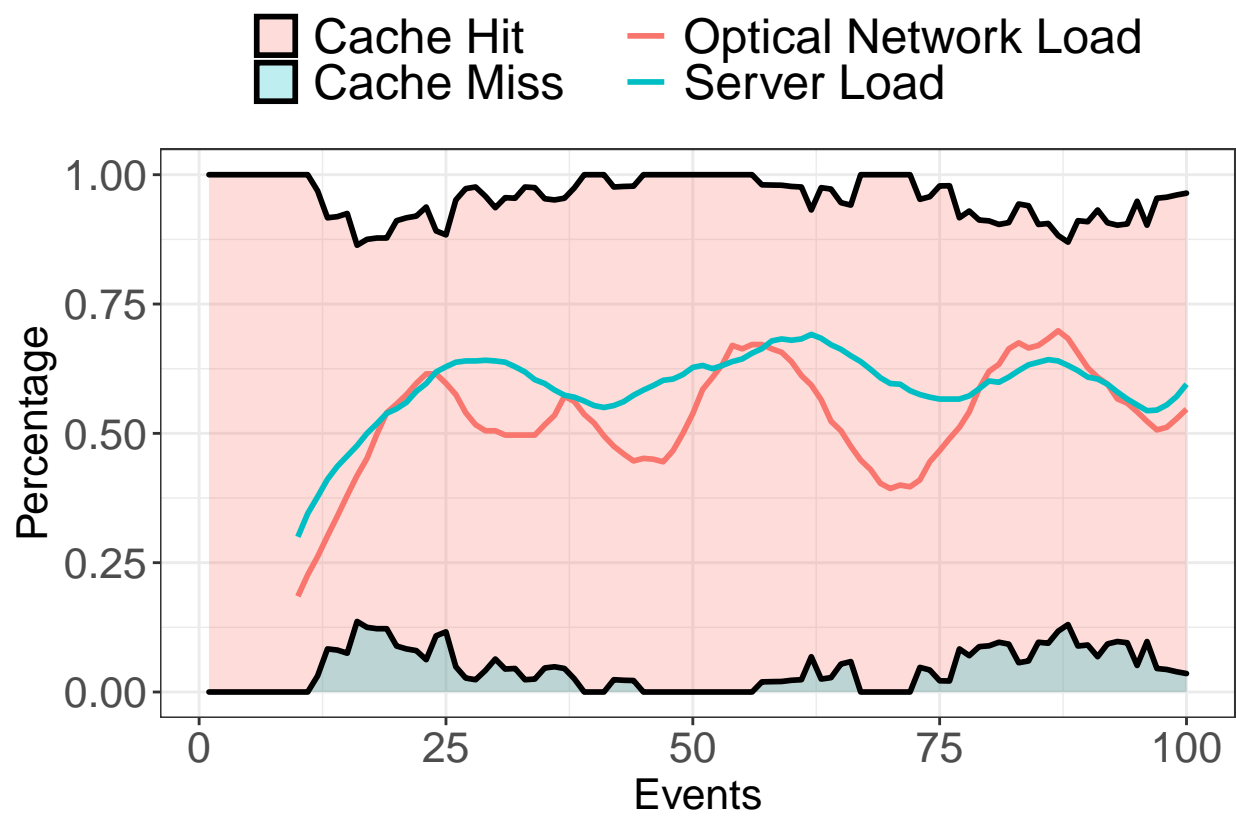


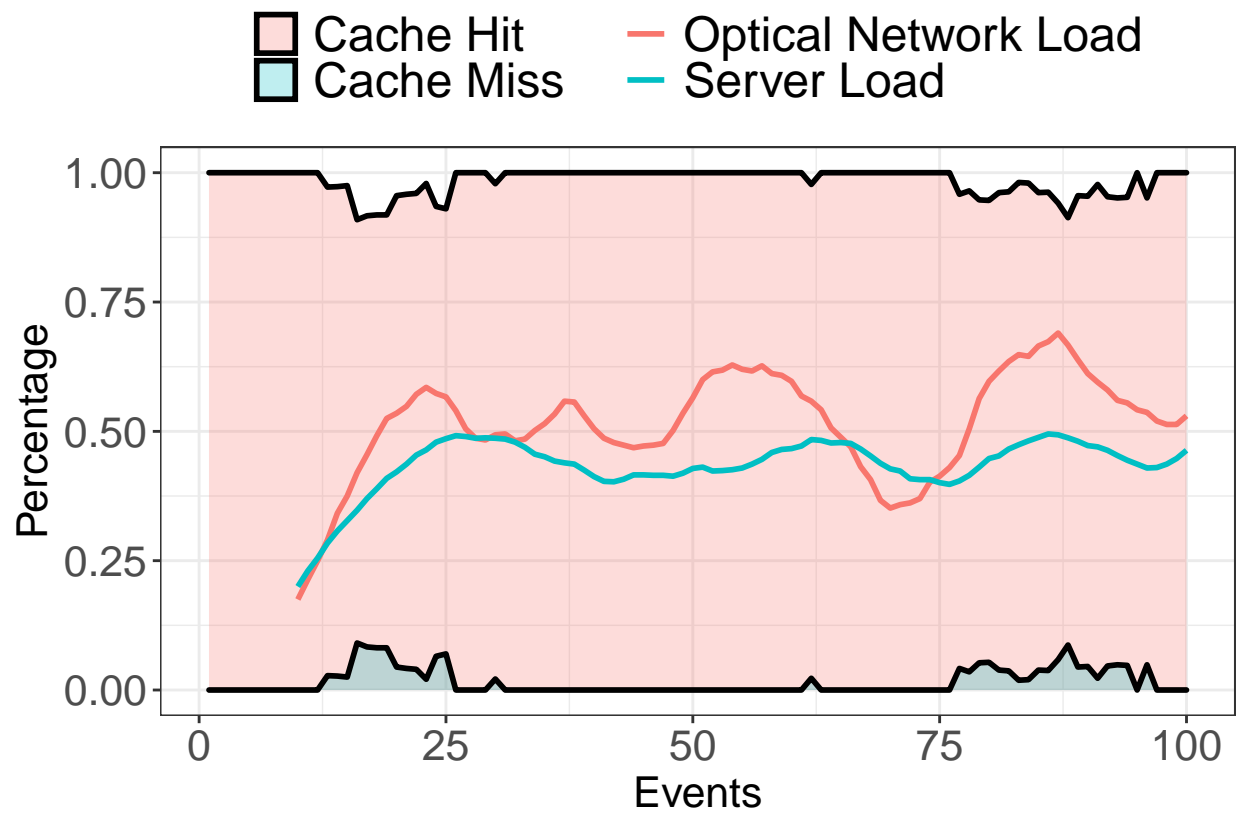












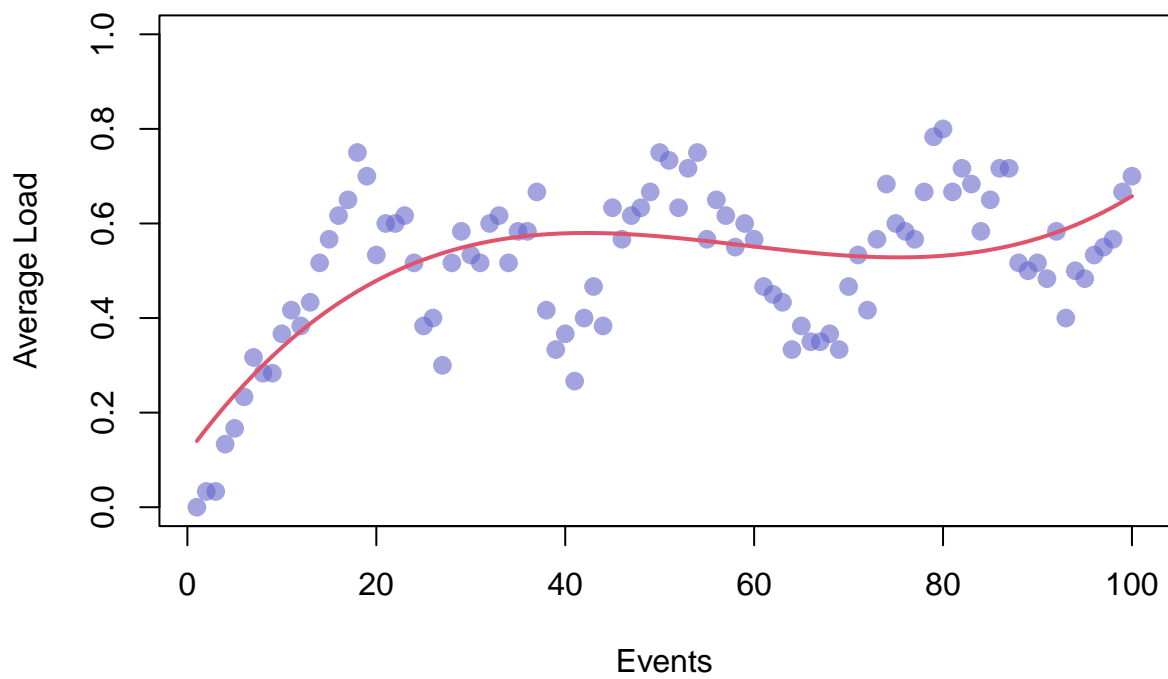
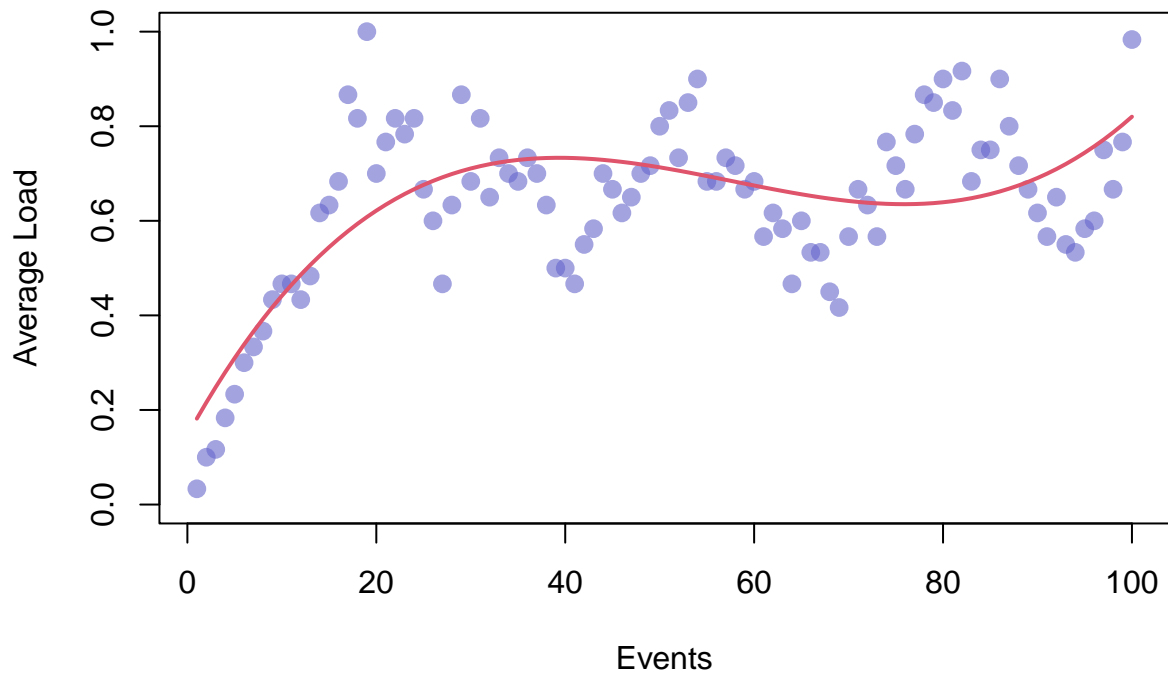
Correlação entre as medianas da latência e variação do storage.

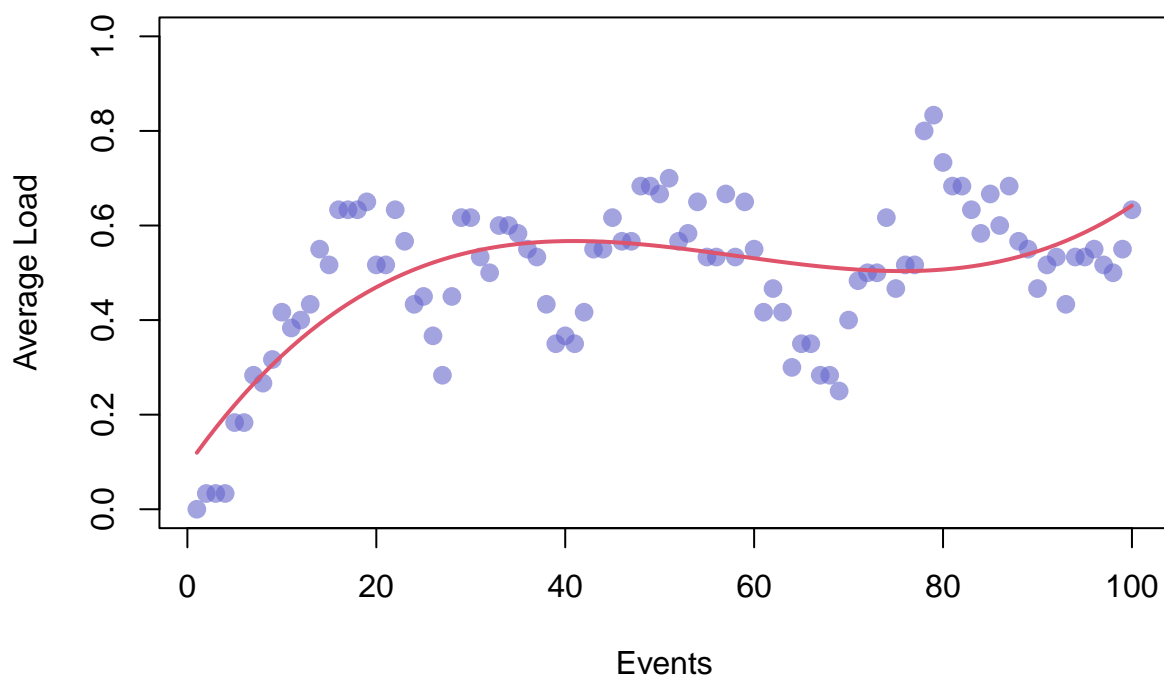
```
## [1] -0.6448976
```

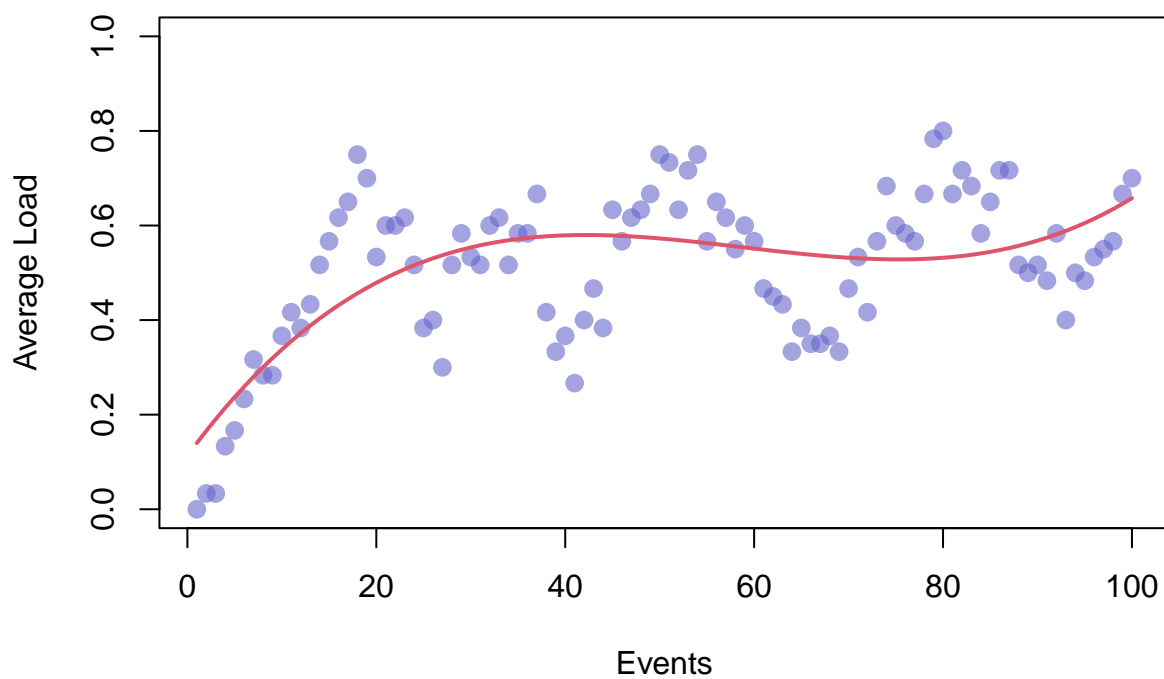
Correlação entre taxas aceitação e variação do storage.

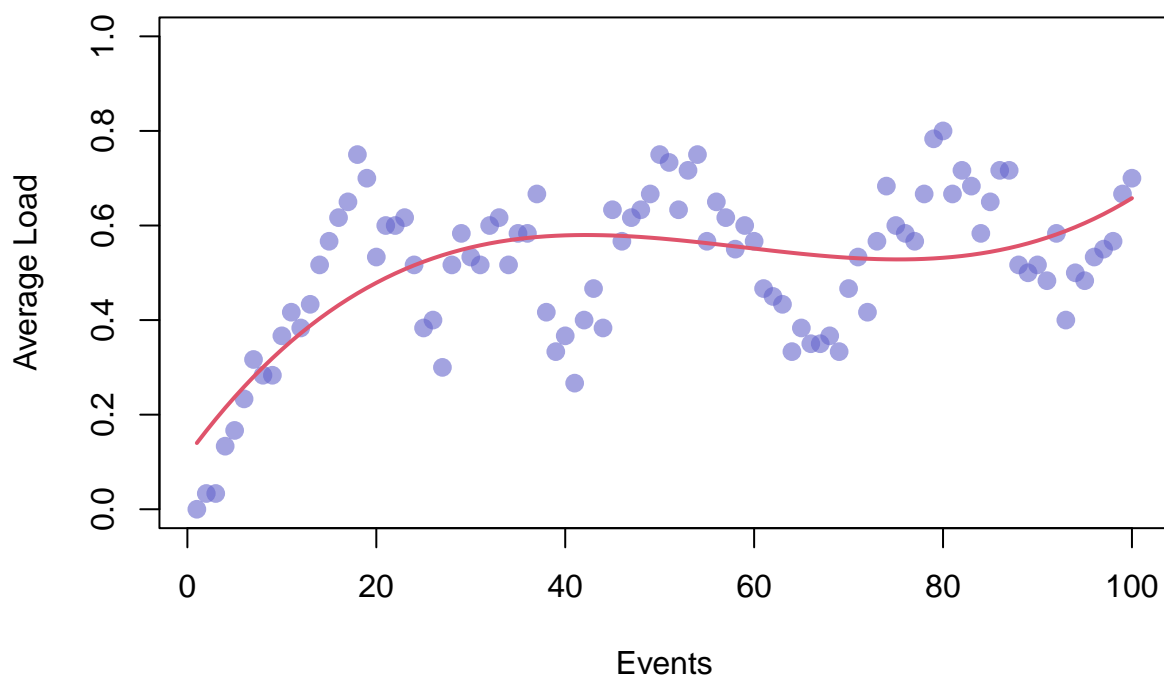
```
## [1] NA
```

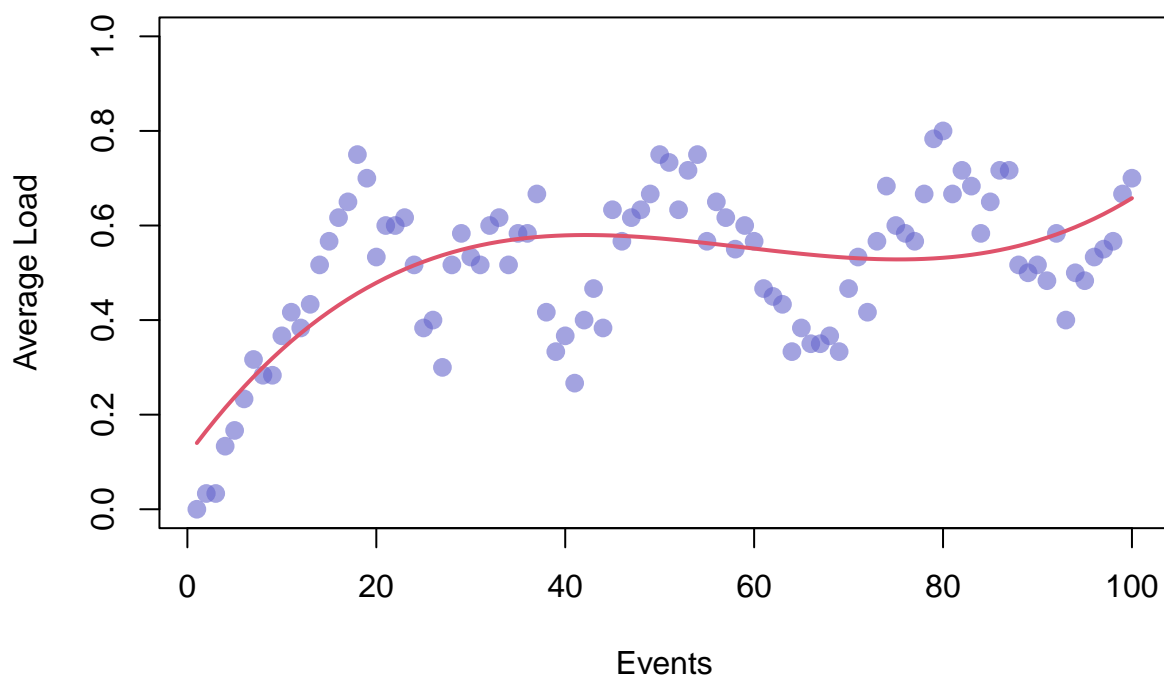
Somatório da Carga dos enlaces ópticos por evento(normalizado pelo maior somatório).



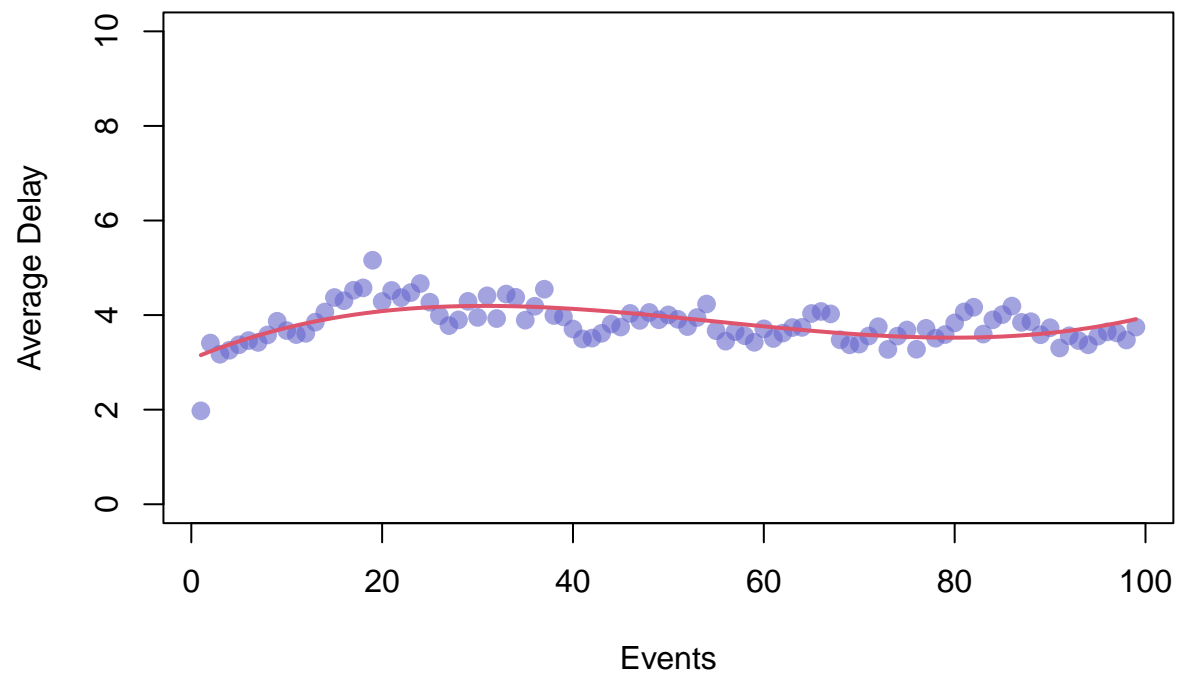


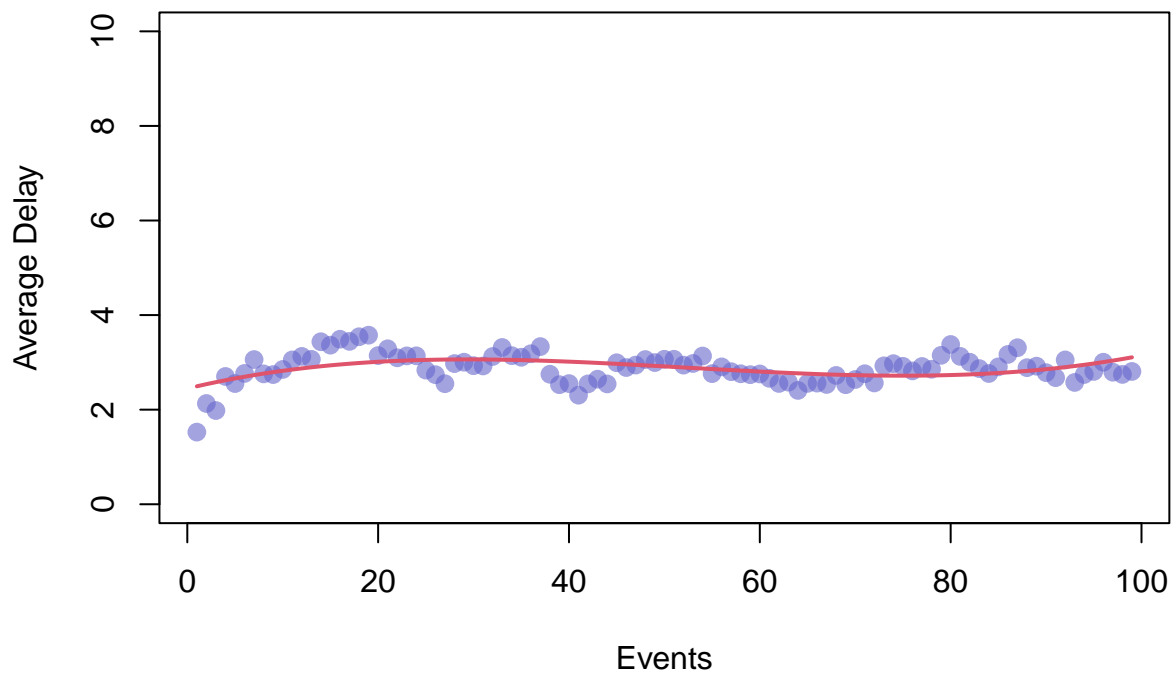


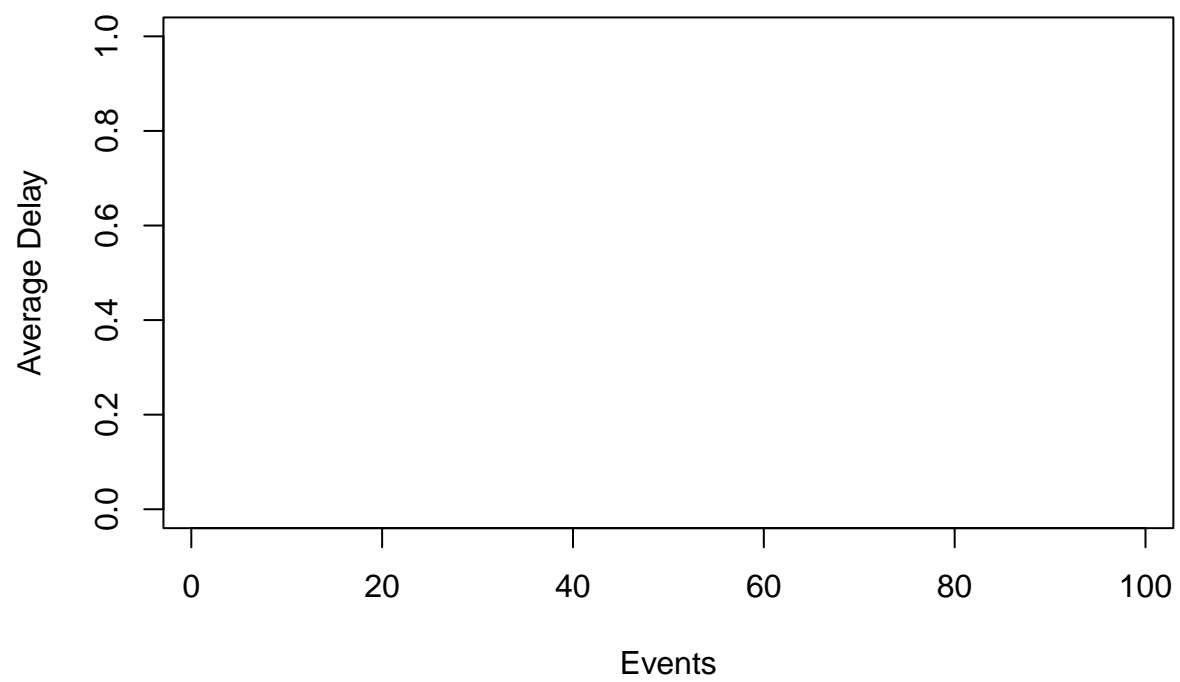


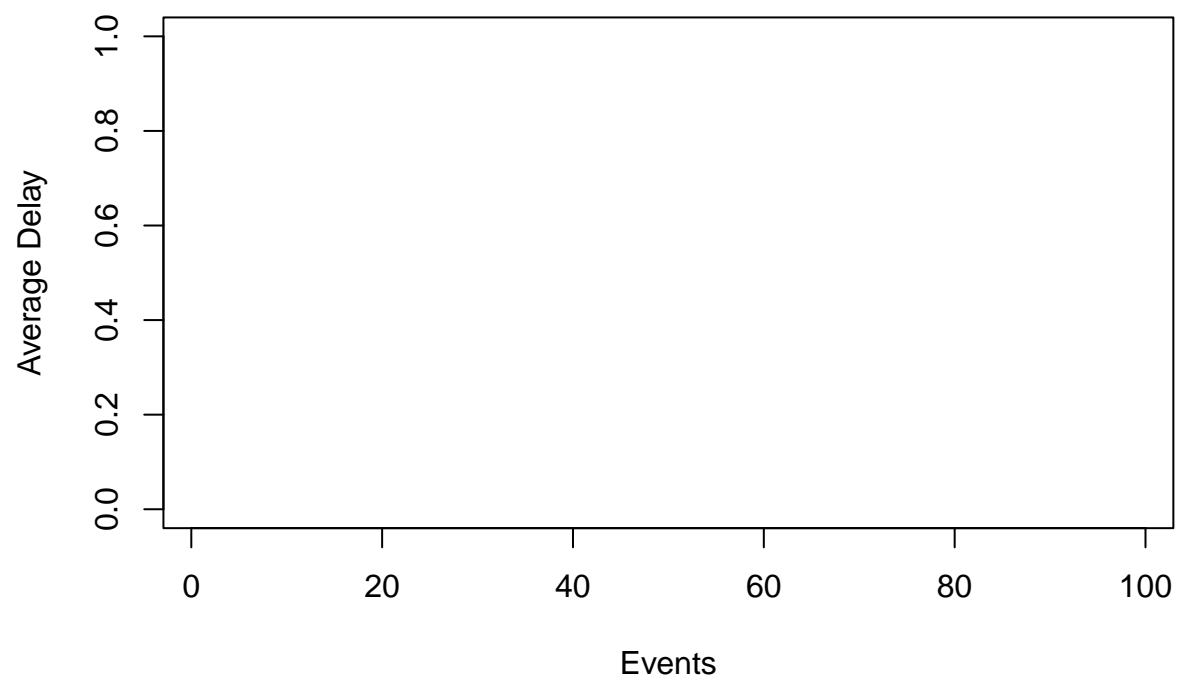


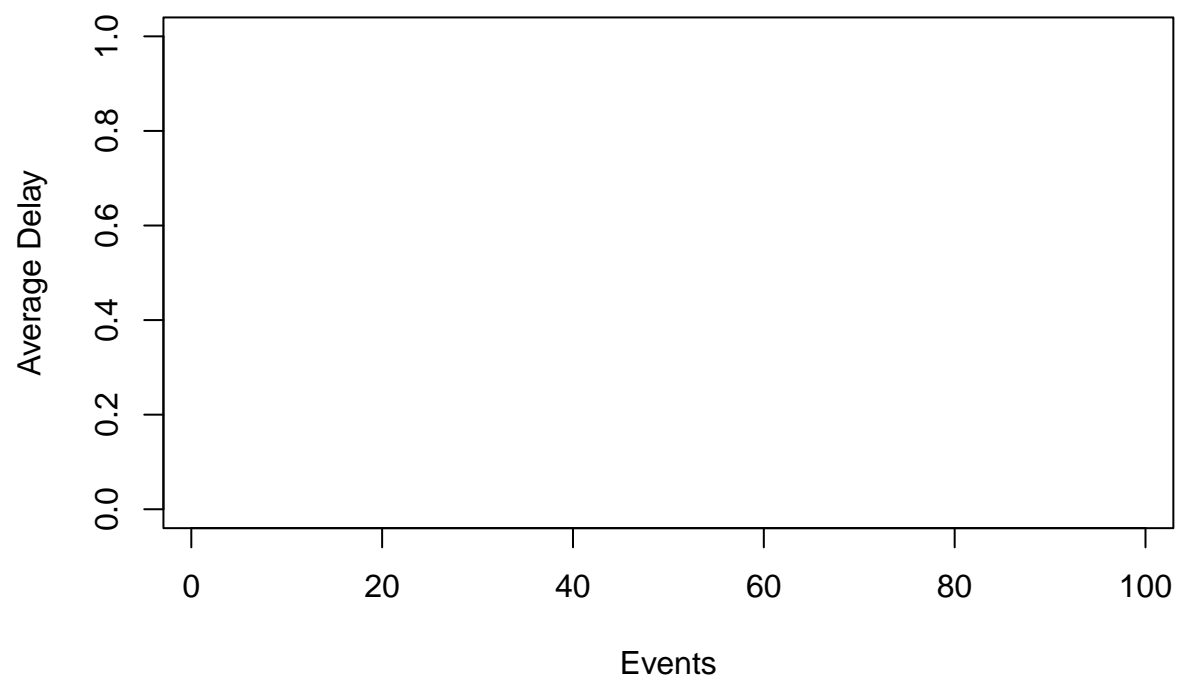


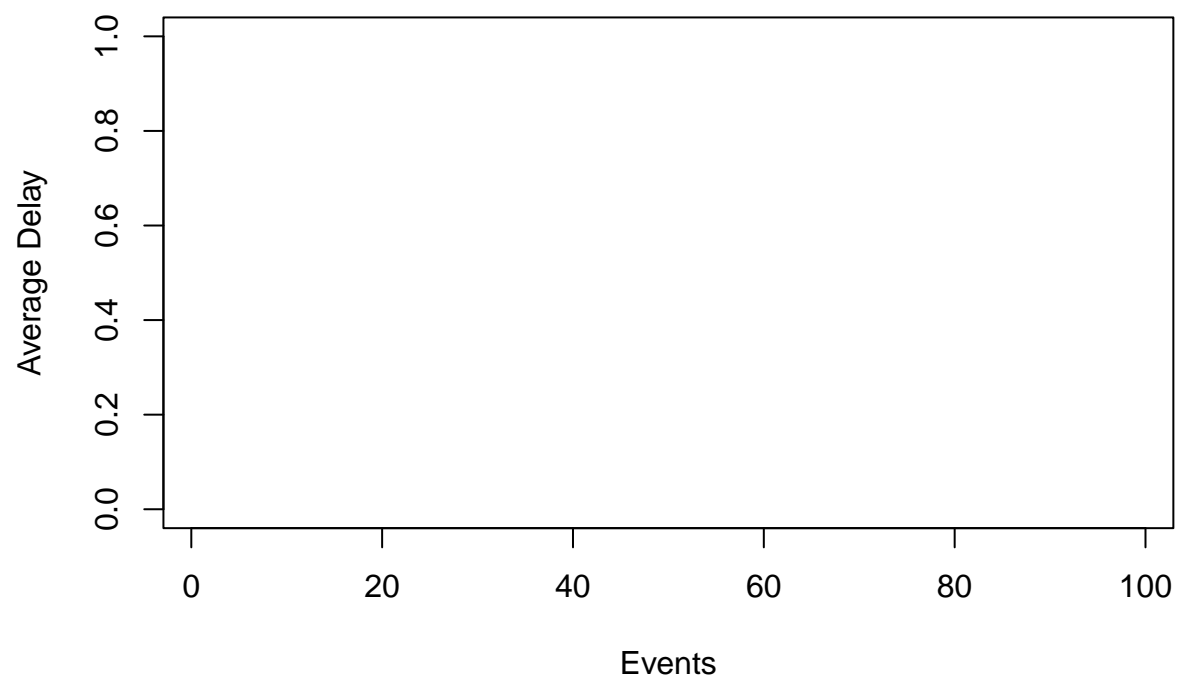


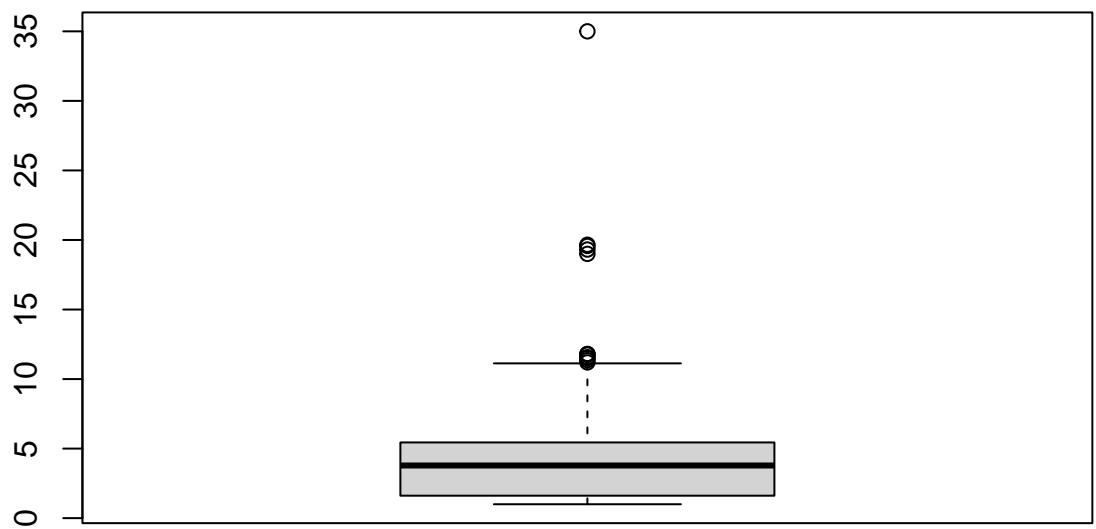




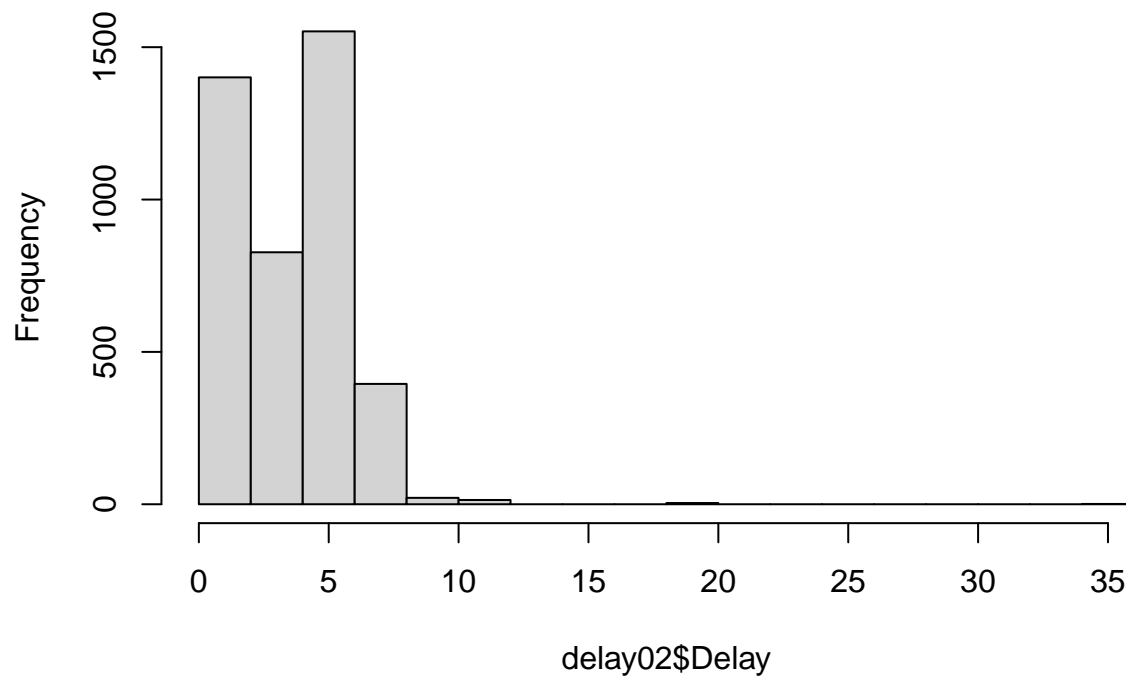




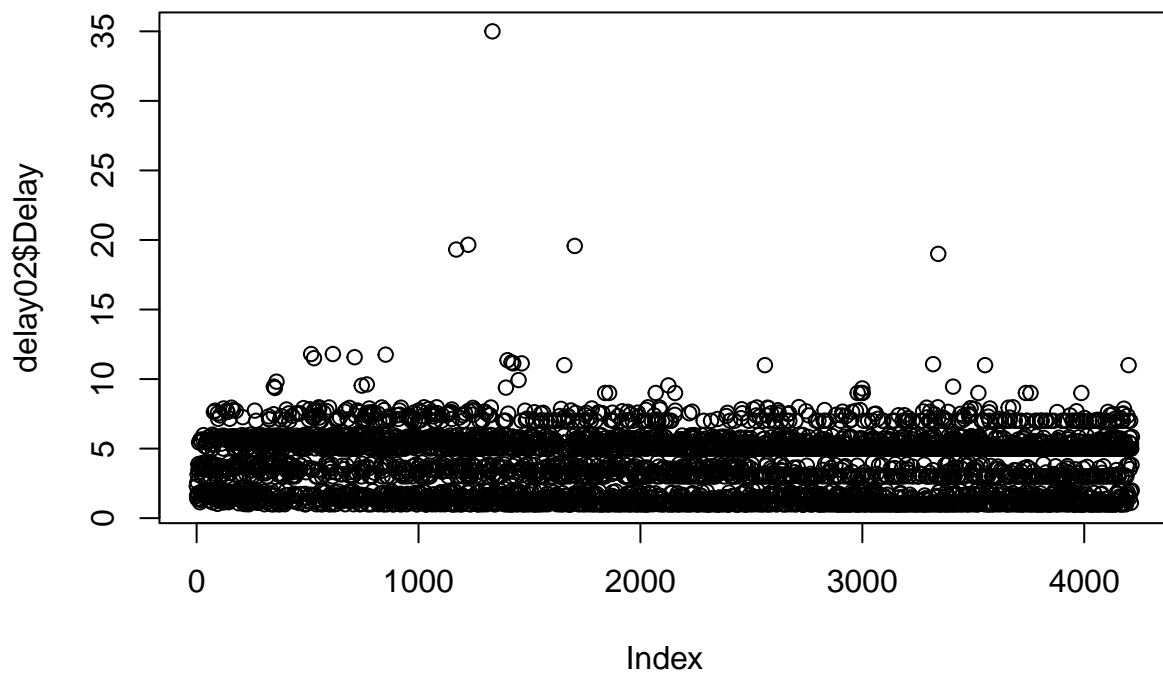


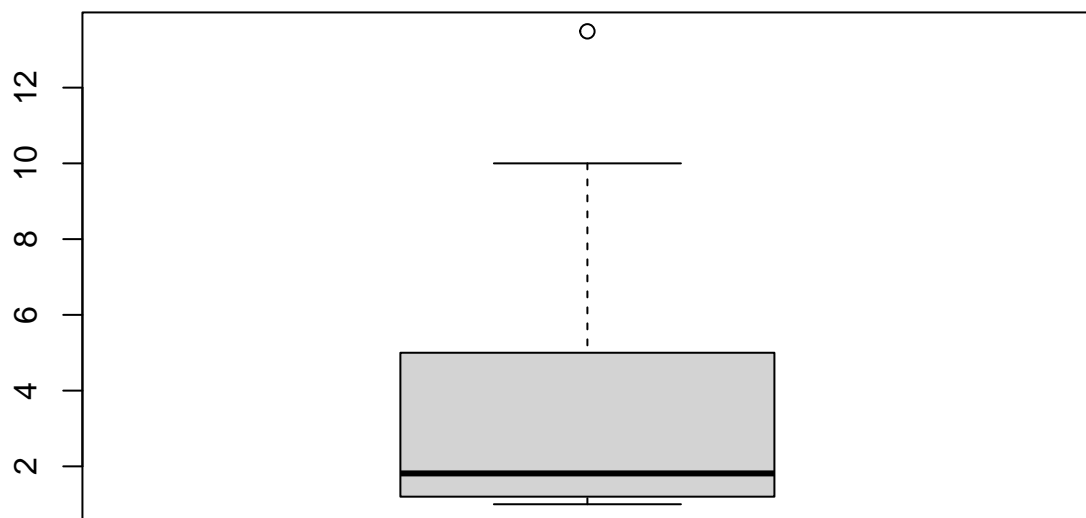


**Histogram of delay02\$Delay**

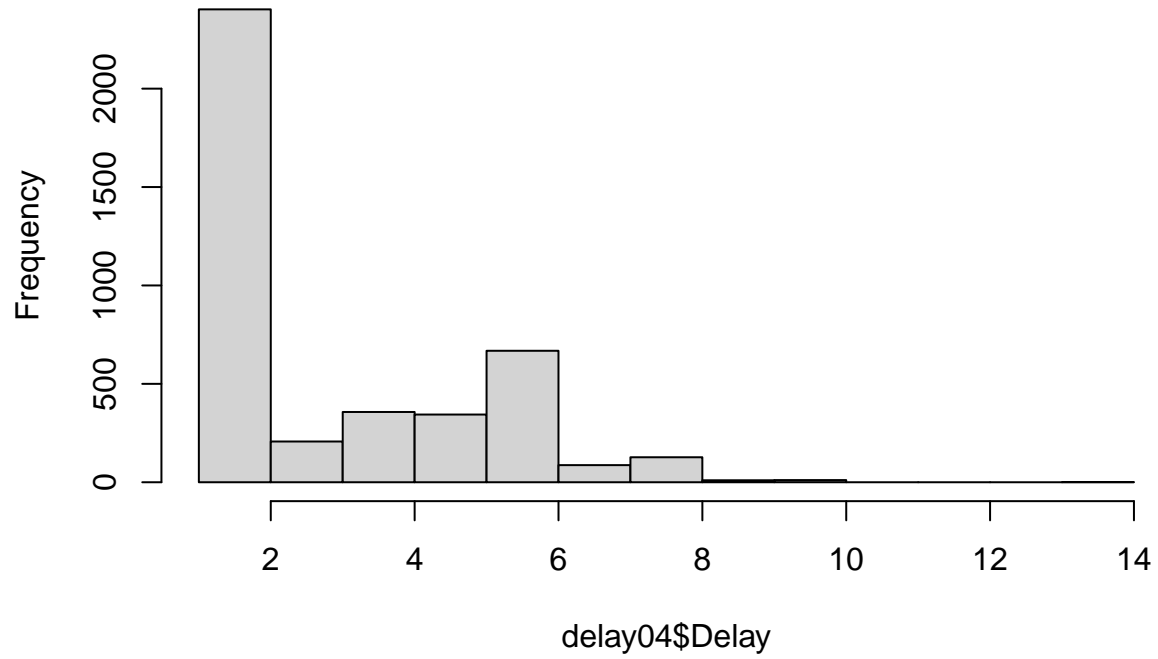


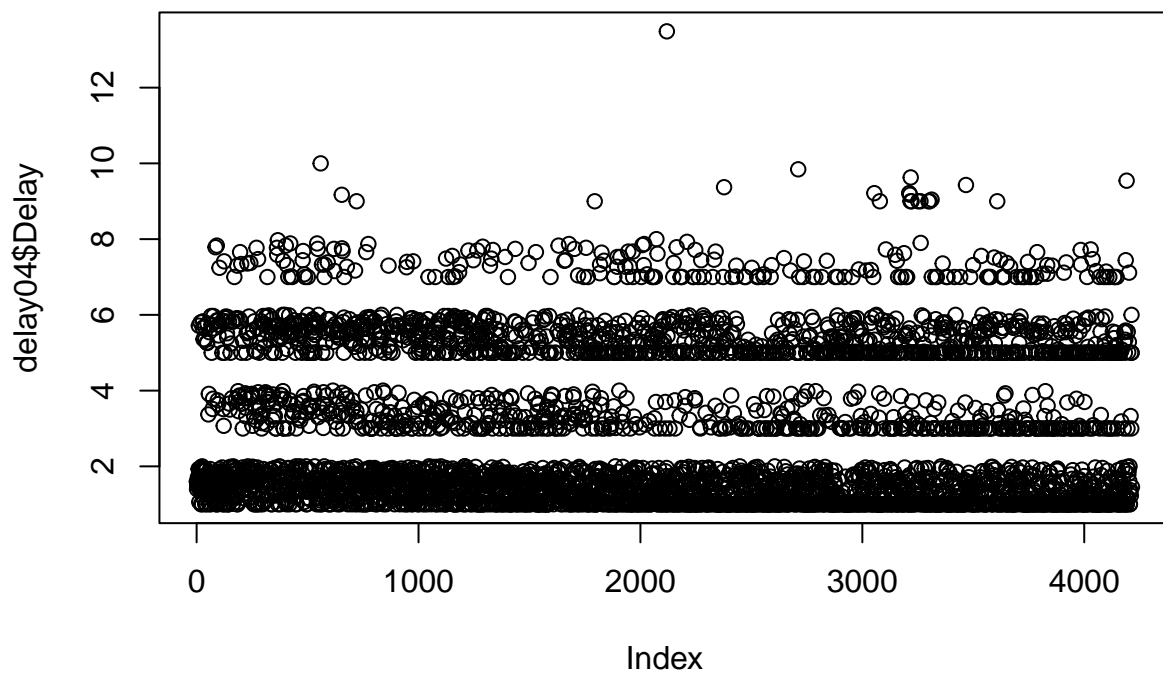


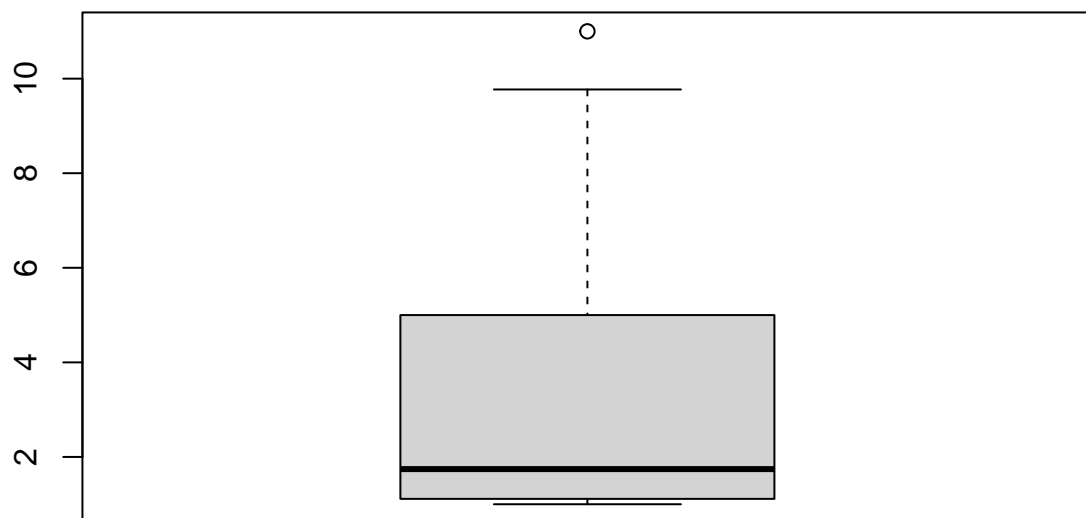




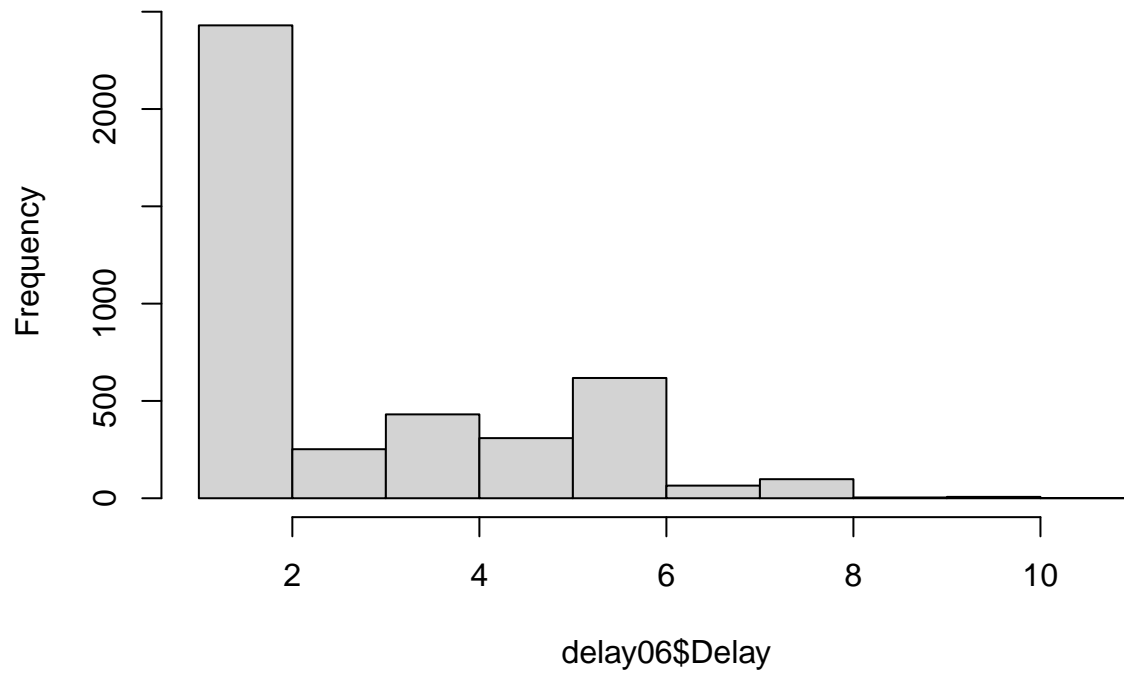
**Histogram of delay04\$Delay**

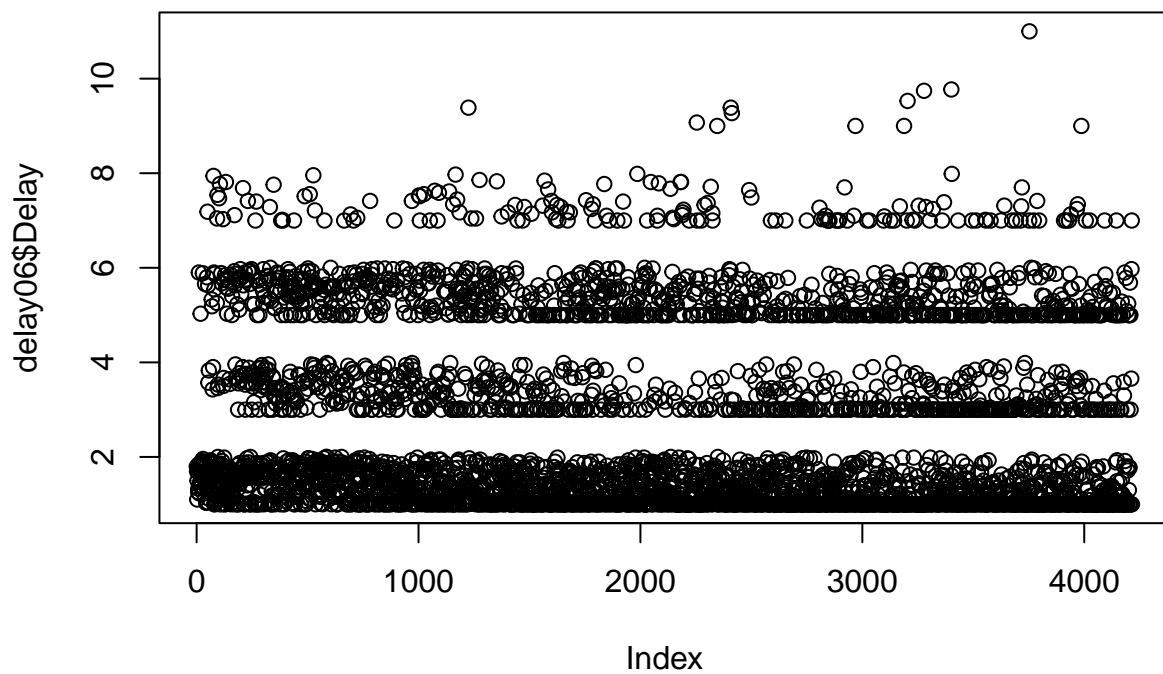


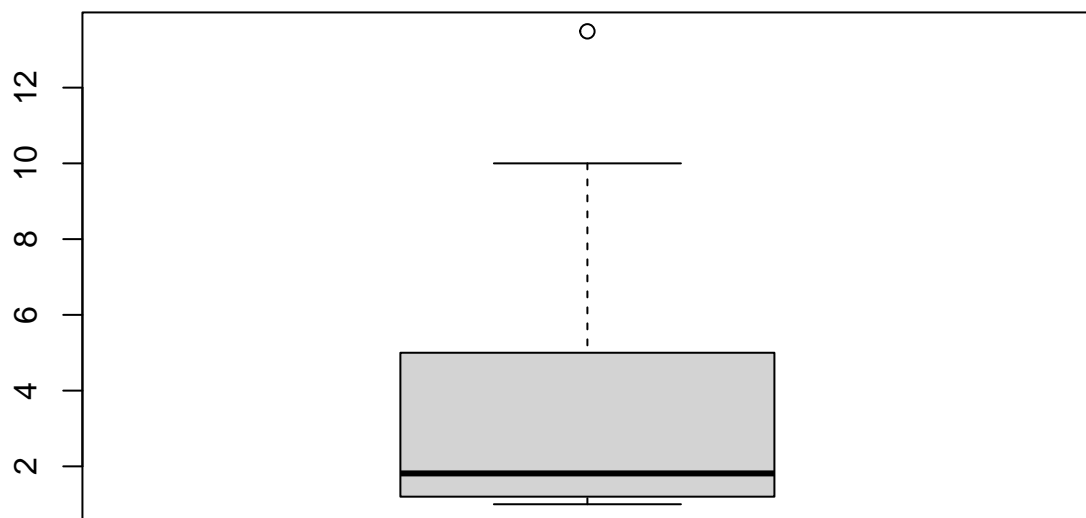




**Histogram of delay06\$Delay**

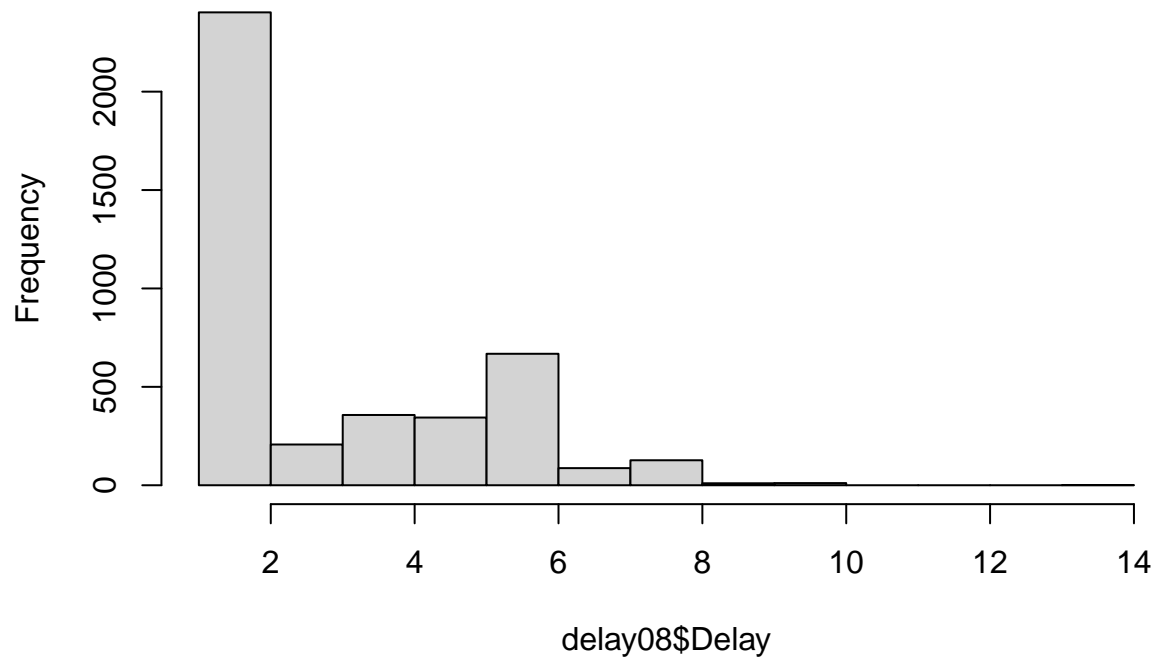


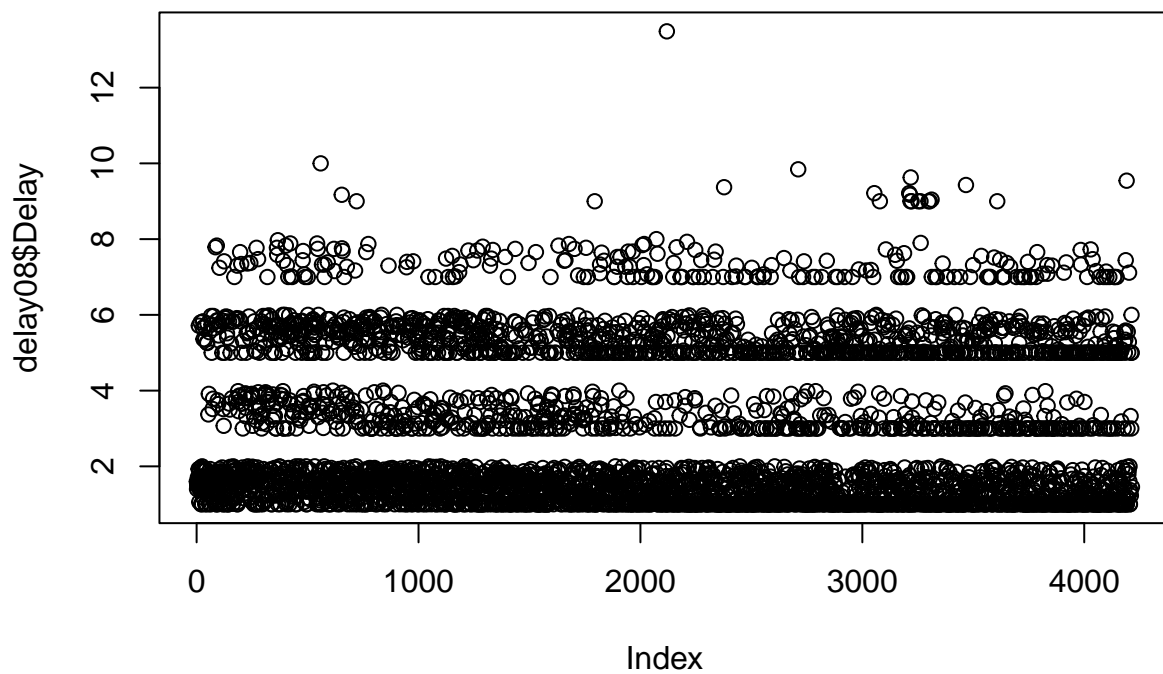


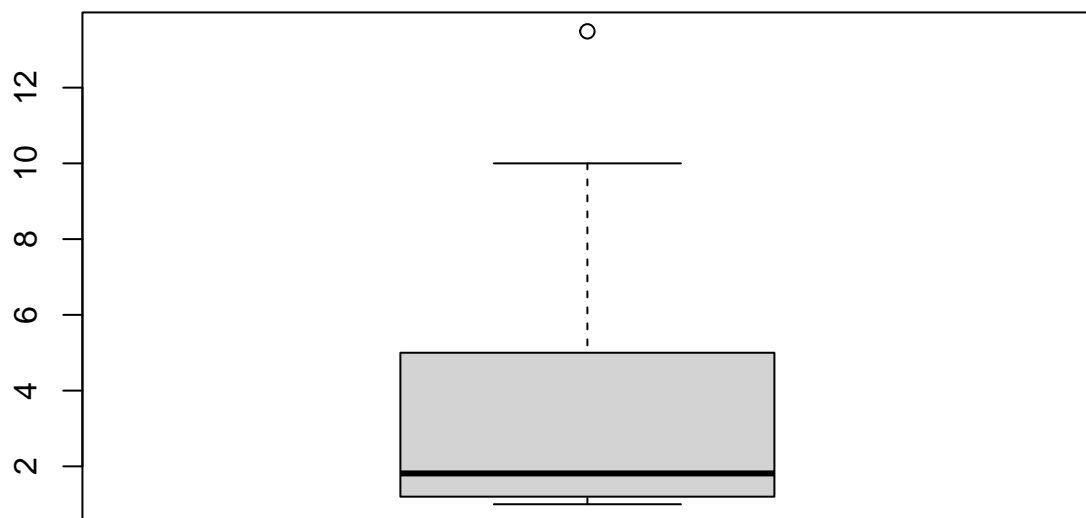




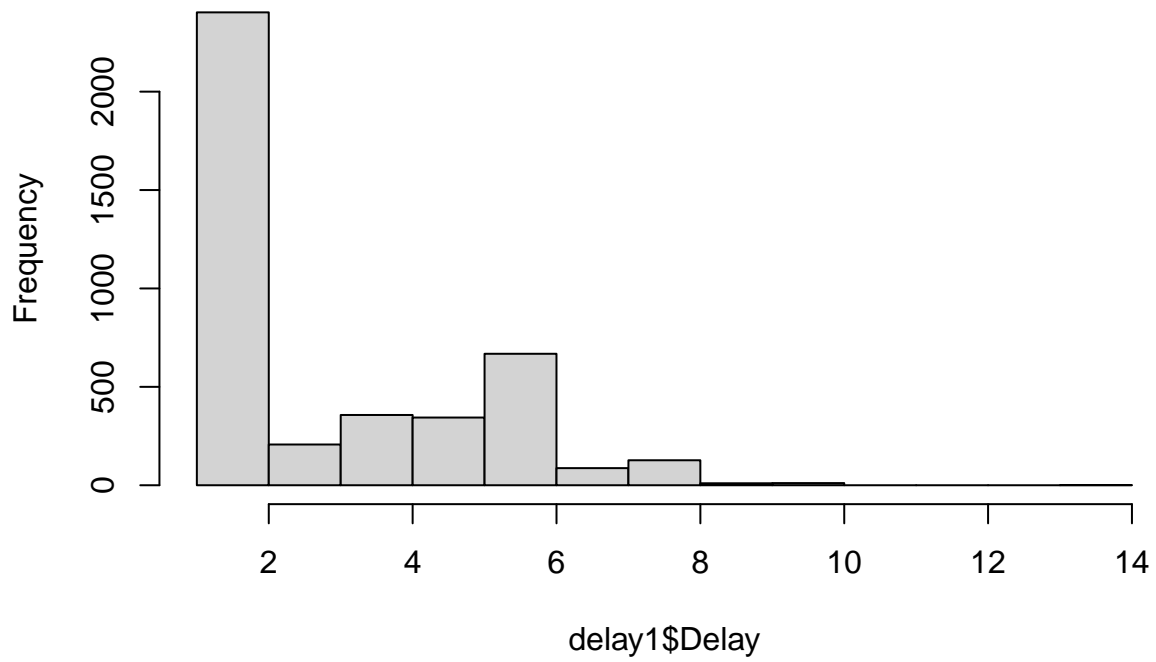
**Histogram of delay08\$Delay**

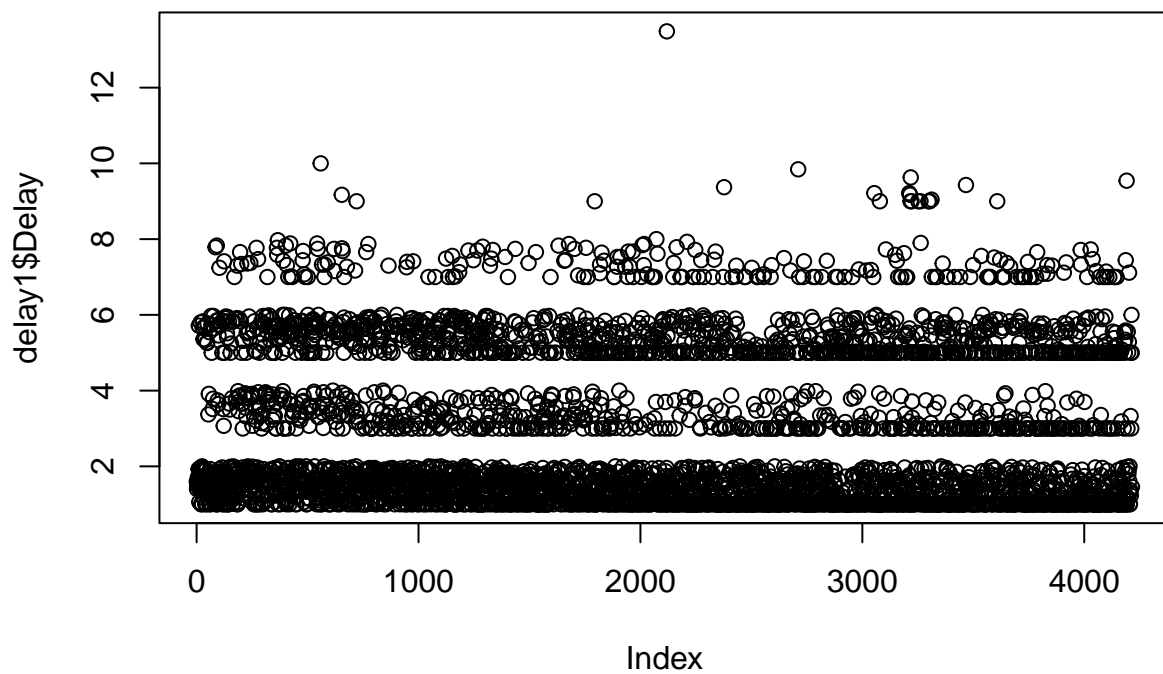


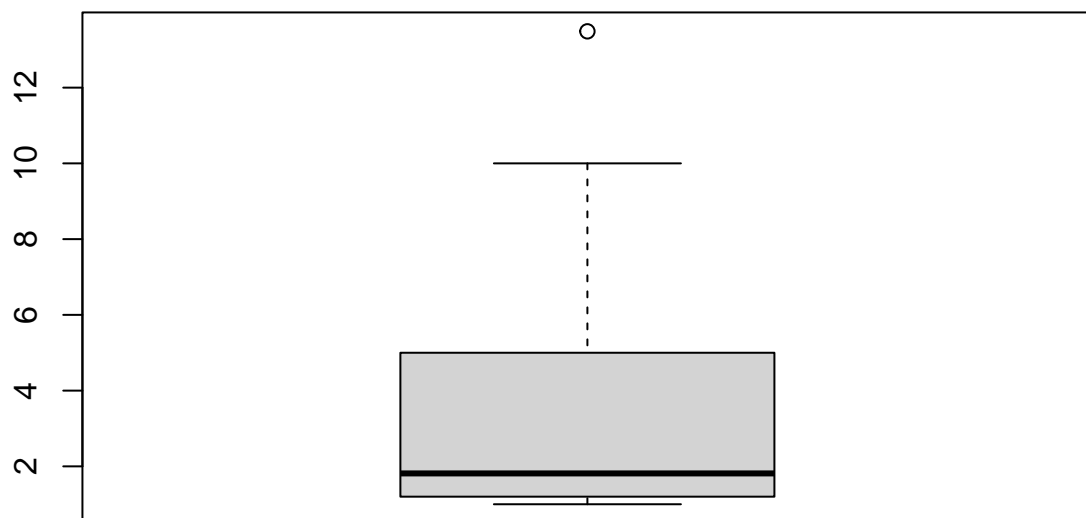




**Histogram of delay1\$Delay**







**Histogram of delay12\$Delay**

