

ZipF

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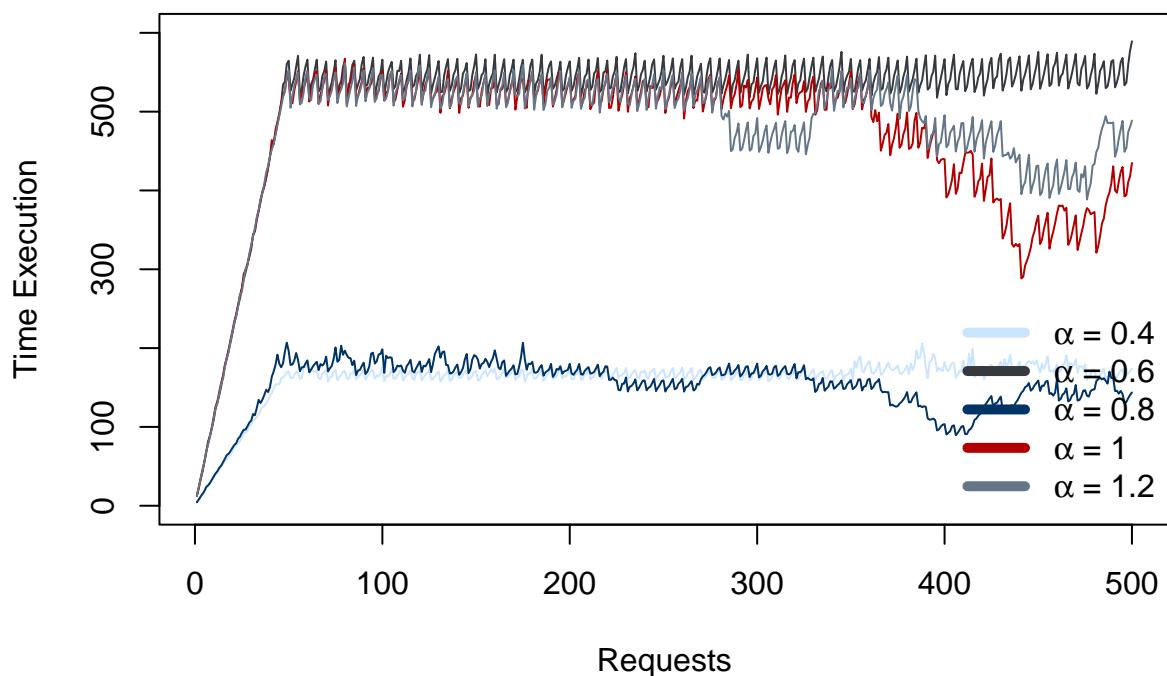
Parâmetros

Parâmetros	Valores
alfa zipf	0.4, 0.6, 0.8, 1, 1.2
lambda	5
n	100
beta	0.2
BS	32
Cache	100
UE	200
Storage	MBS 20GB SBS 4GB
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

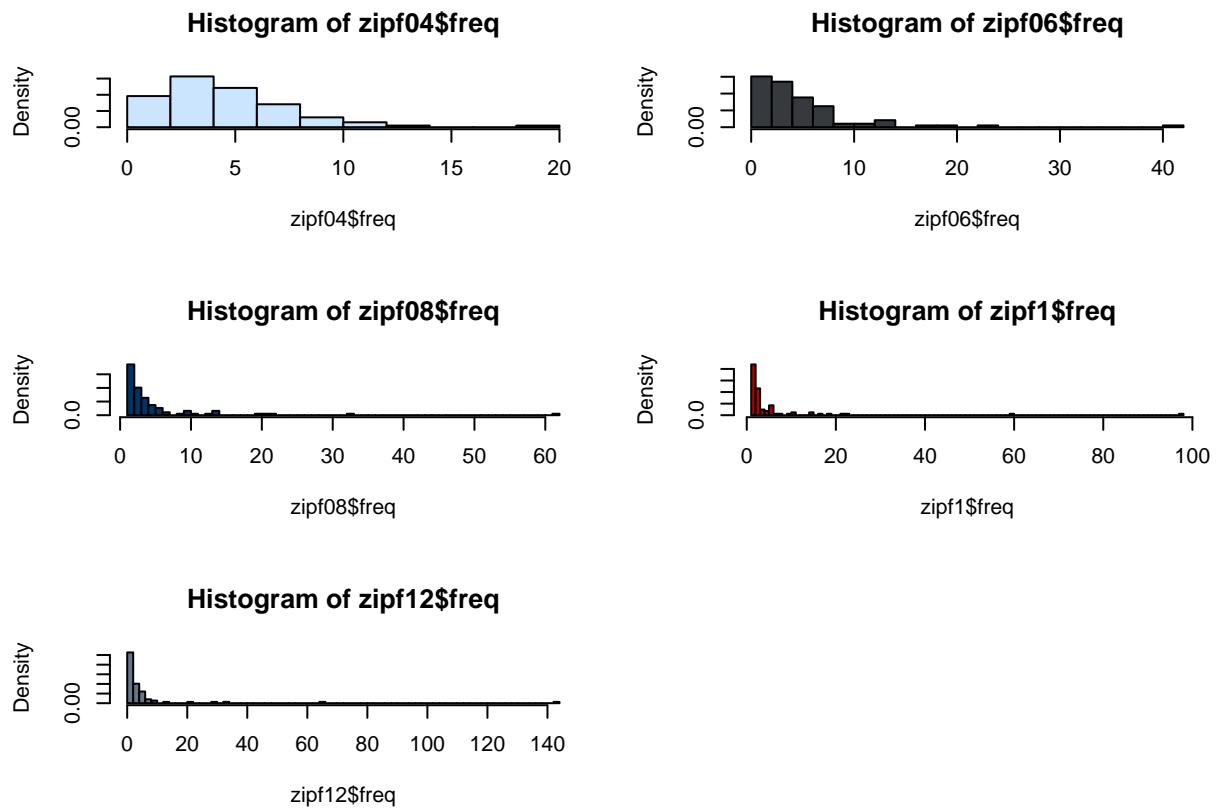
Informações da Aplicação.

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

Tempo de execução da otimização.



Distribuição de popularidade do conteúdo solicitado.



Taxa de requisições alocadas.

$$\alpha : 0.4 = 96\% - 480/500.$$

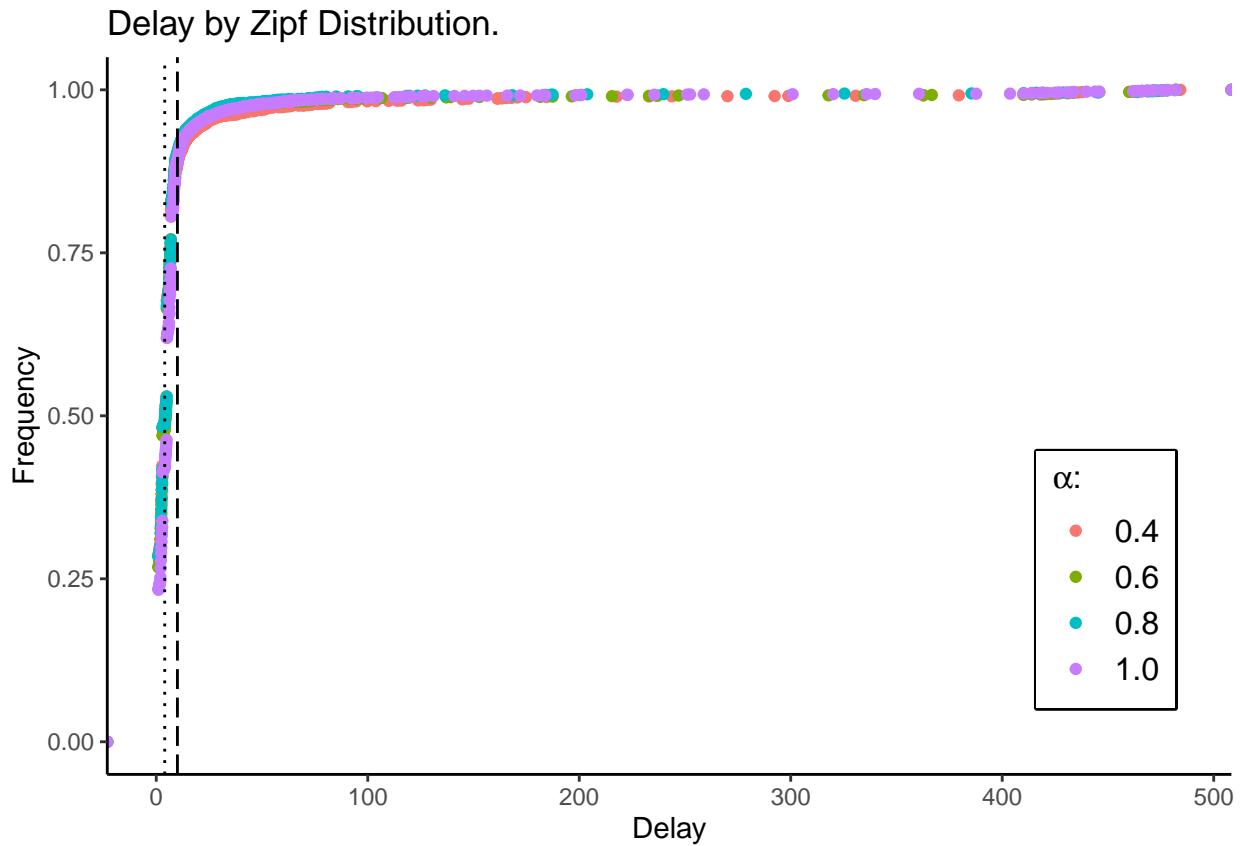
$$\alpha : 0.6 = 97\% - 485/500.$$

$$\alpha : 0.8 = 90.8\% - 454/500.$$

$$\alpha : 1.0 = 92.8\% - 464/500.$$

$$\alpha : 1.2 = 95\% - 475/500.$$

Distribuição da Latência



$\alpha: 0.4$

Em 48.74% da amostra a latência das requisições são menores que 4 milisegundos.

Em 88.55% da amostra a latência das requisições são menores que 10 milisegundos.

$\alpha: 0.6$

Em 47.78% da amostra a latência das requisições são menores que 4 milisegundos.

Em 89.72% da amostra a latência das requisições são menores que 10 milisegundos.

$\alpha: 0.8$

Em 48.88% da amostra a latência das requisições são menores que 4 milisegundos.

Em 90.22% da amostra a latência das requisições são menores que 10 milisegundos.

$\alpha: 1.0$

Em 50.45% da amostra a latência das requisições são menores que 4 milisegundos.

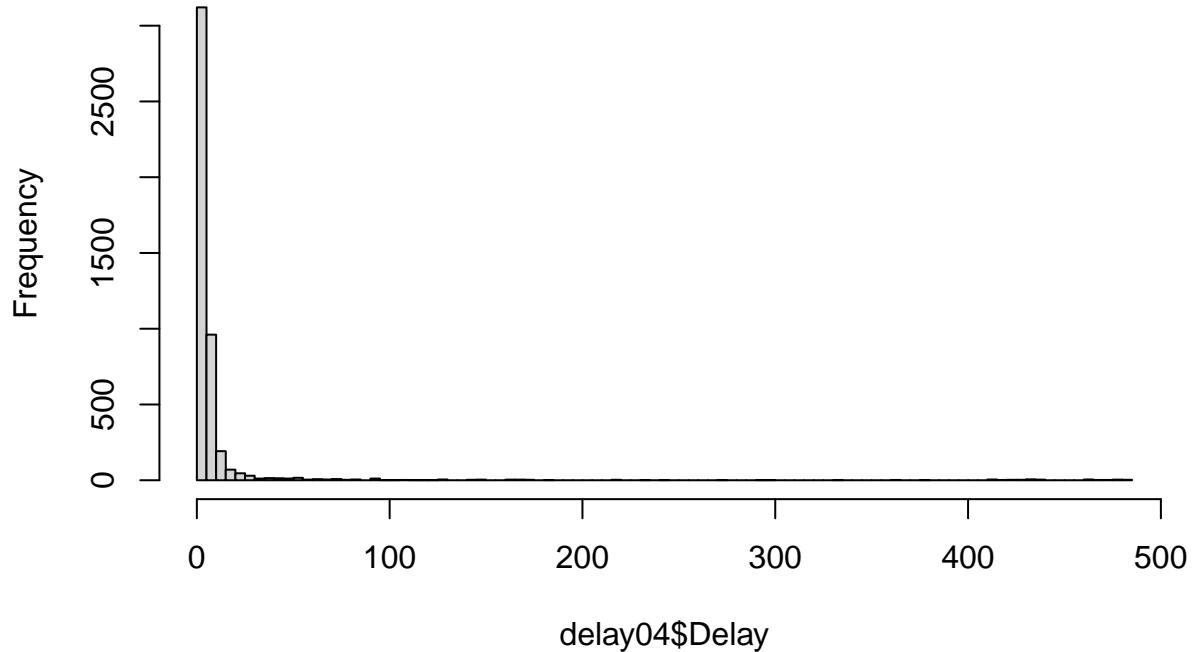
Em 94.74% da amostra a latência das requisições são menores que 10 milisegundos.

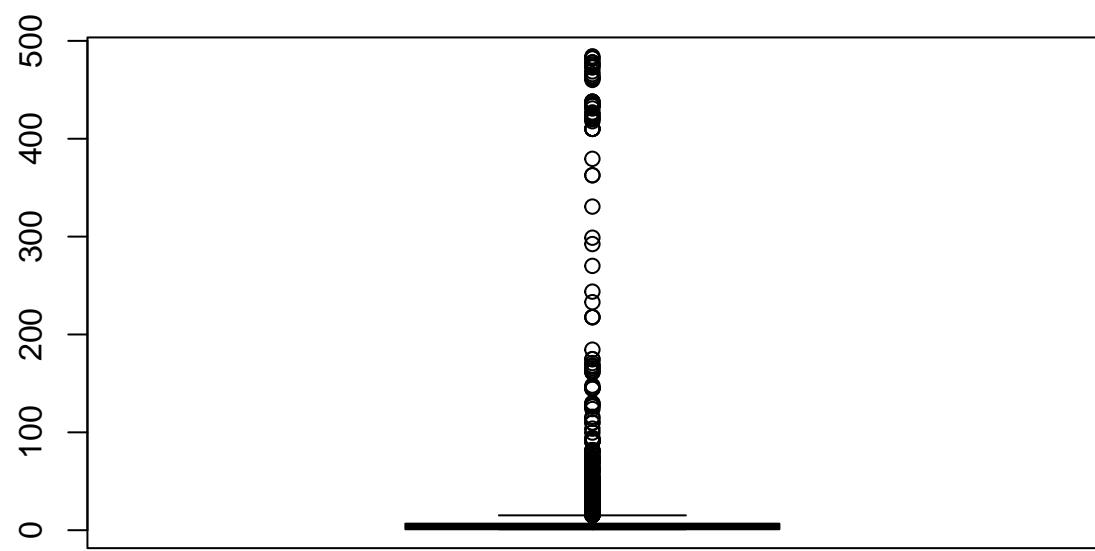
$\alpha: 1.2$

Em 38.47% da amostra a latência das requisições são menores que 4 milisegundos.

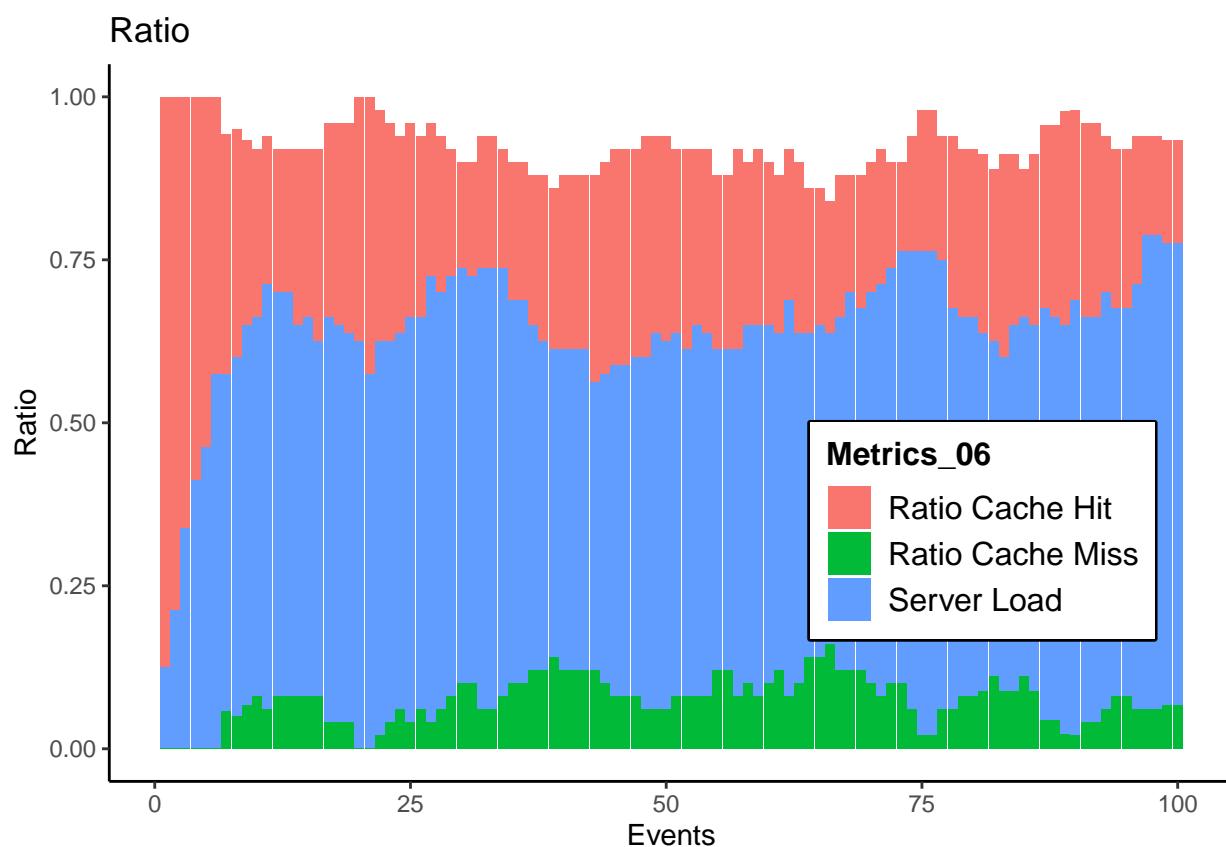
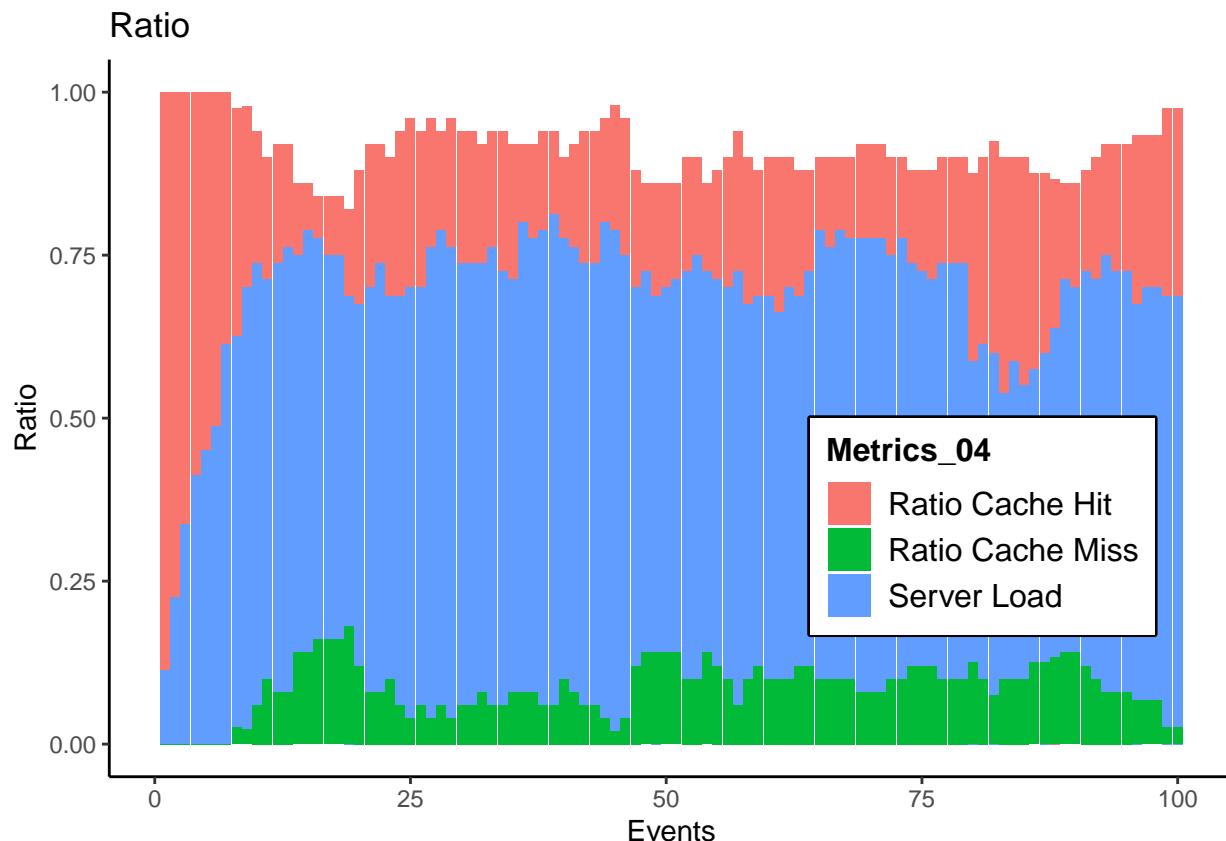
Em 88.84% da amostra a latência das requisições são menores que 10 milisegundos.

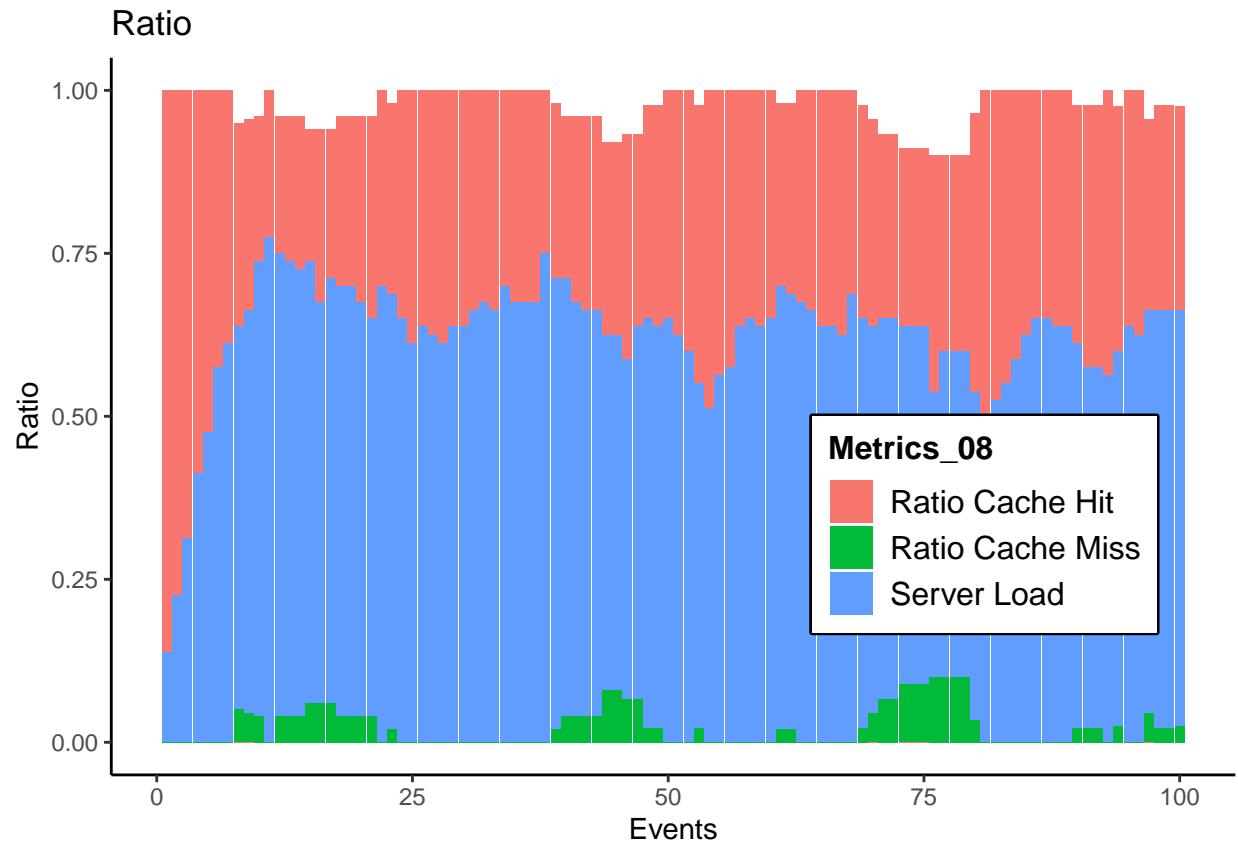
Histogram of delay04\$Delay

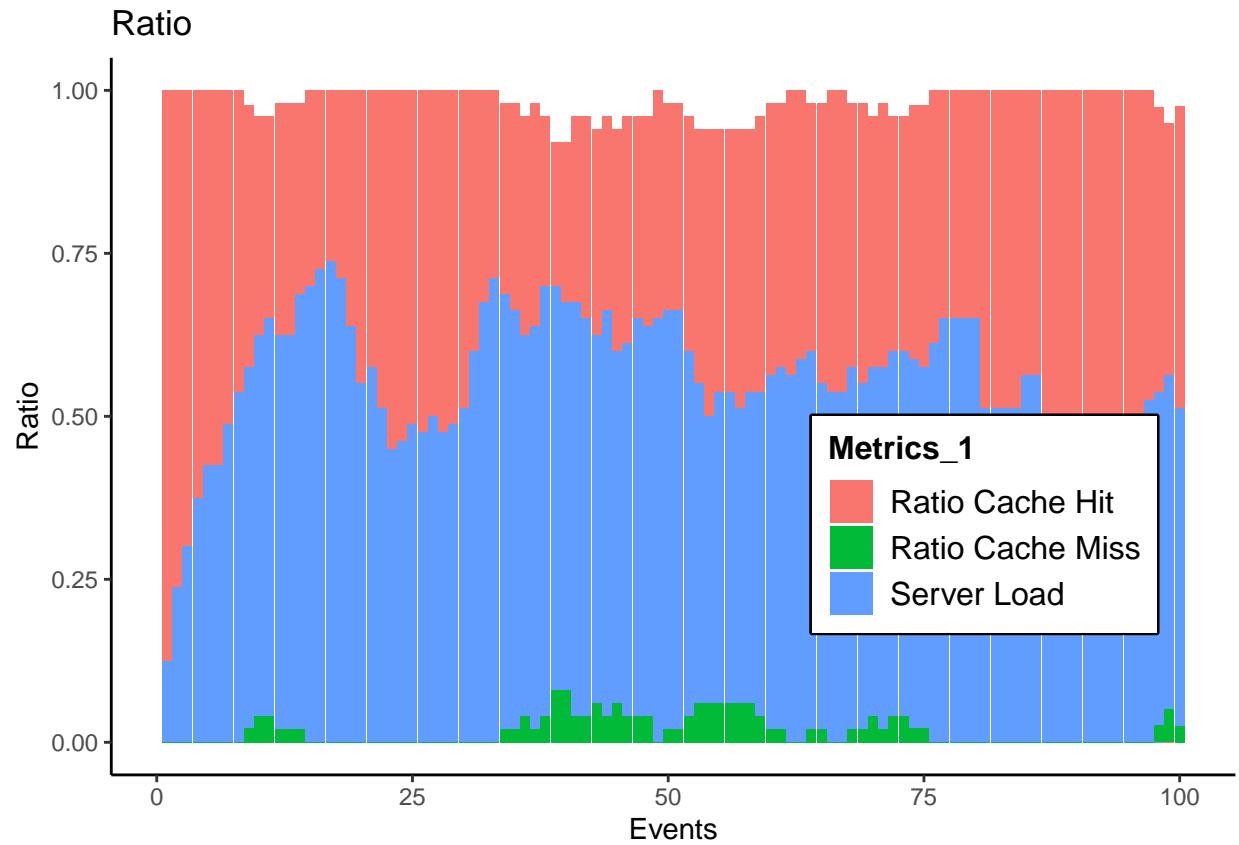


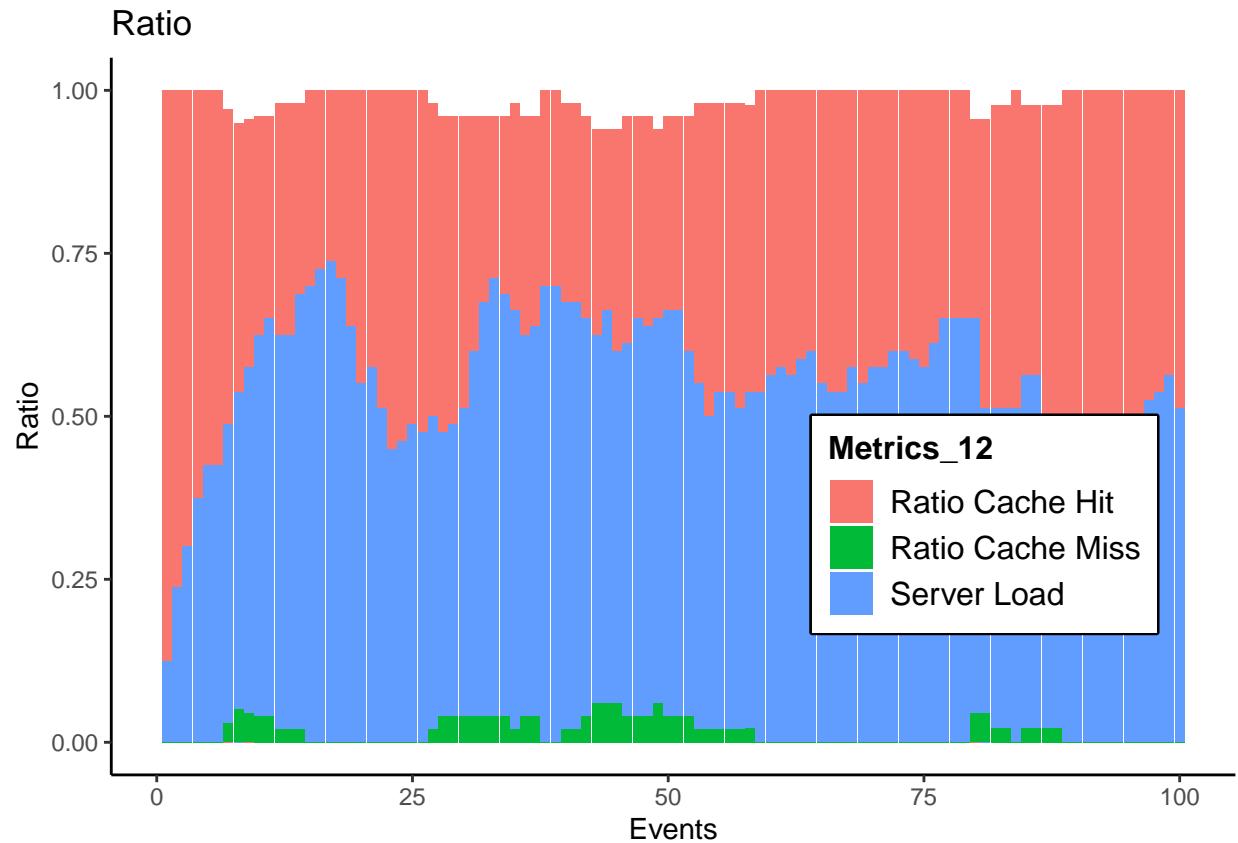


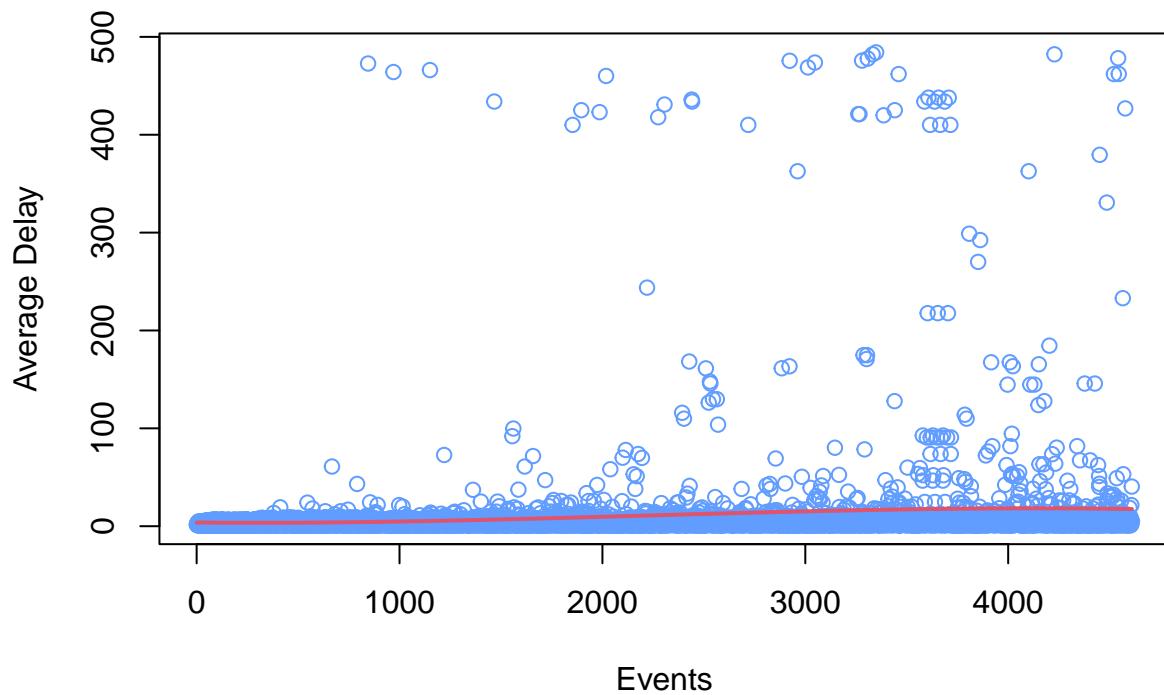
Cache, Cloud e Storage.

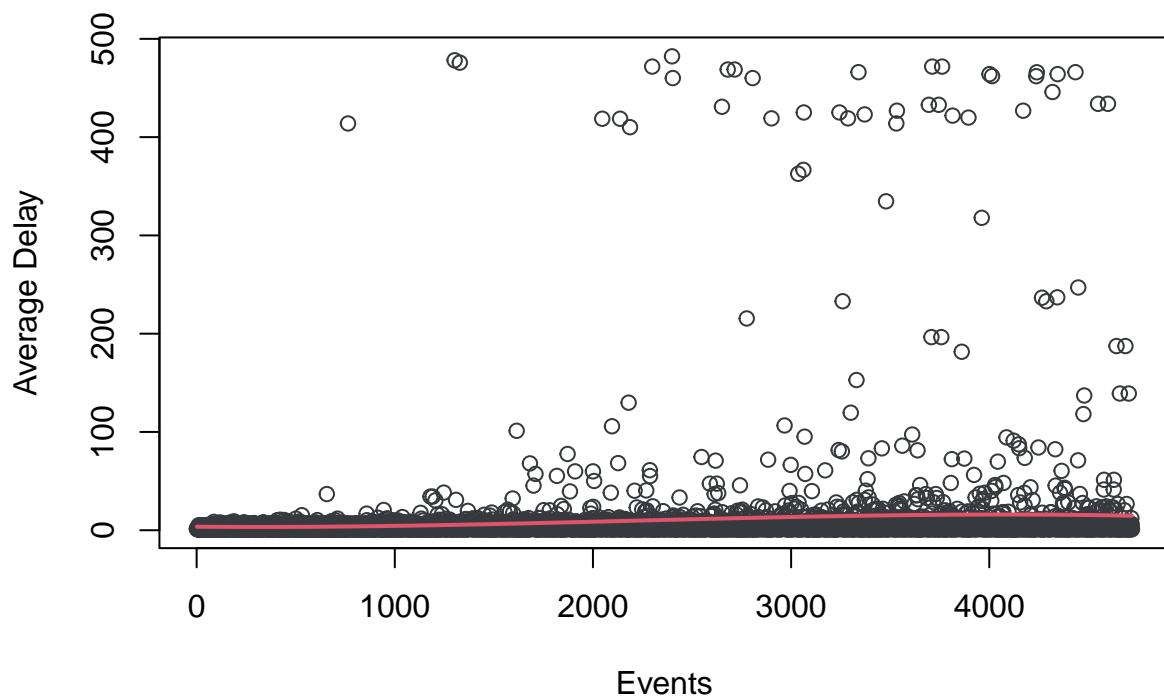


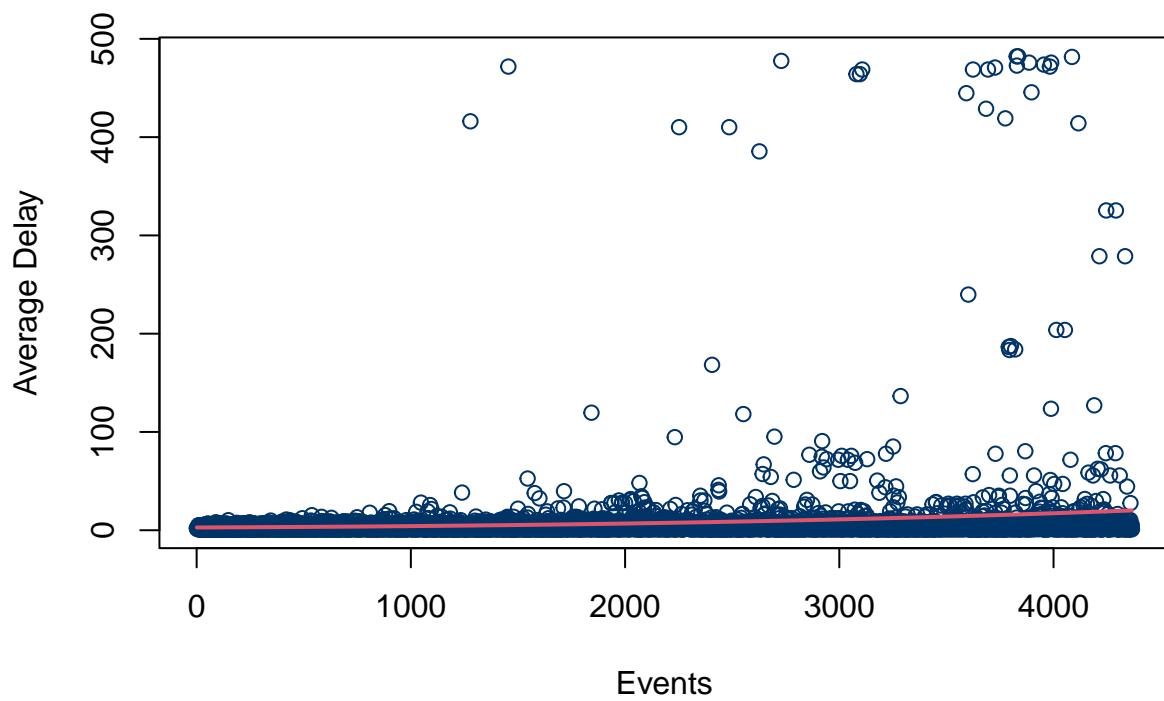


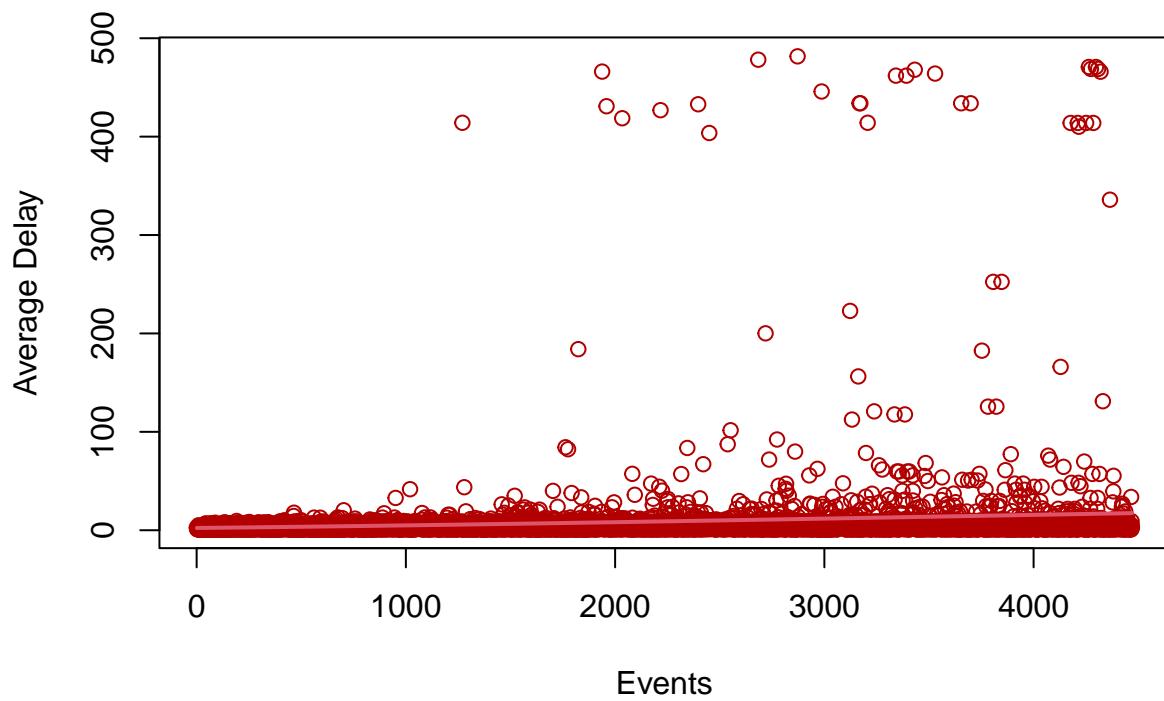


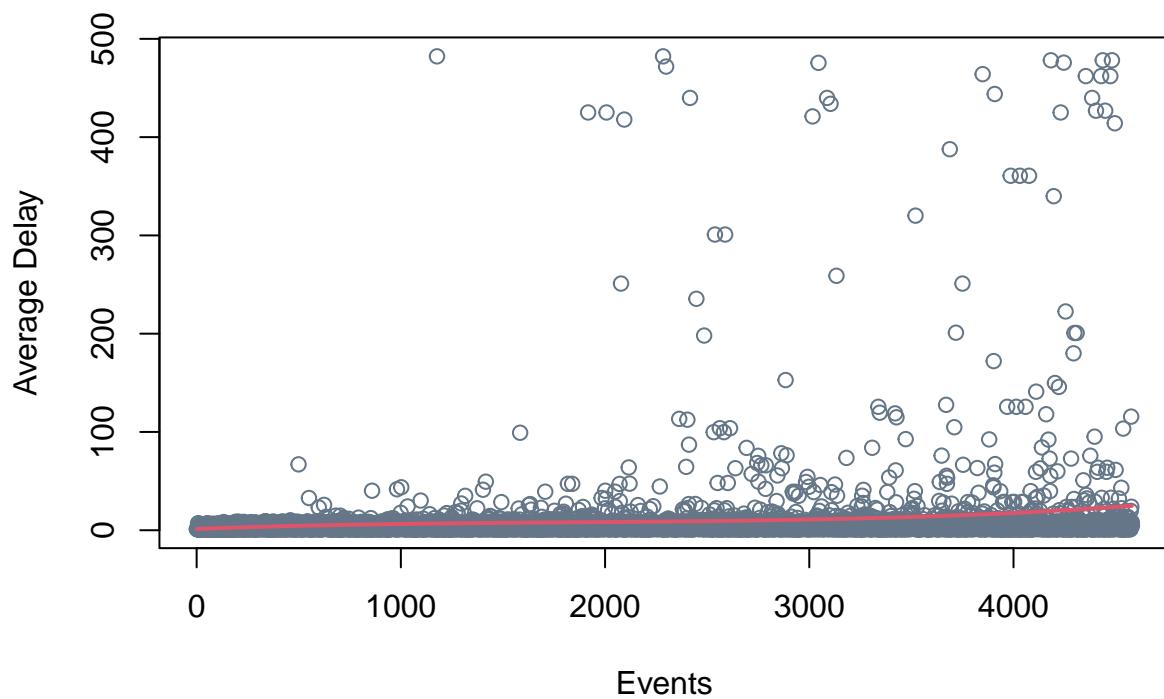


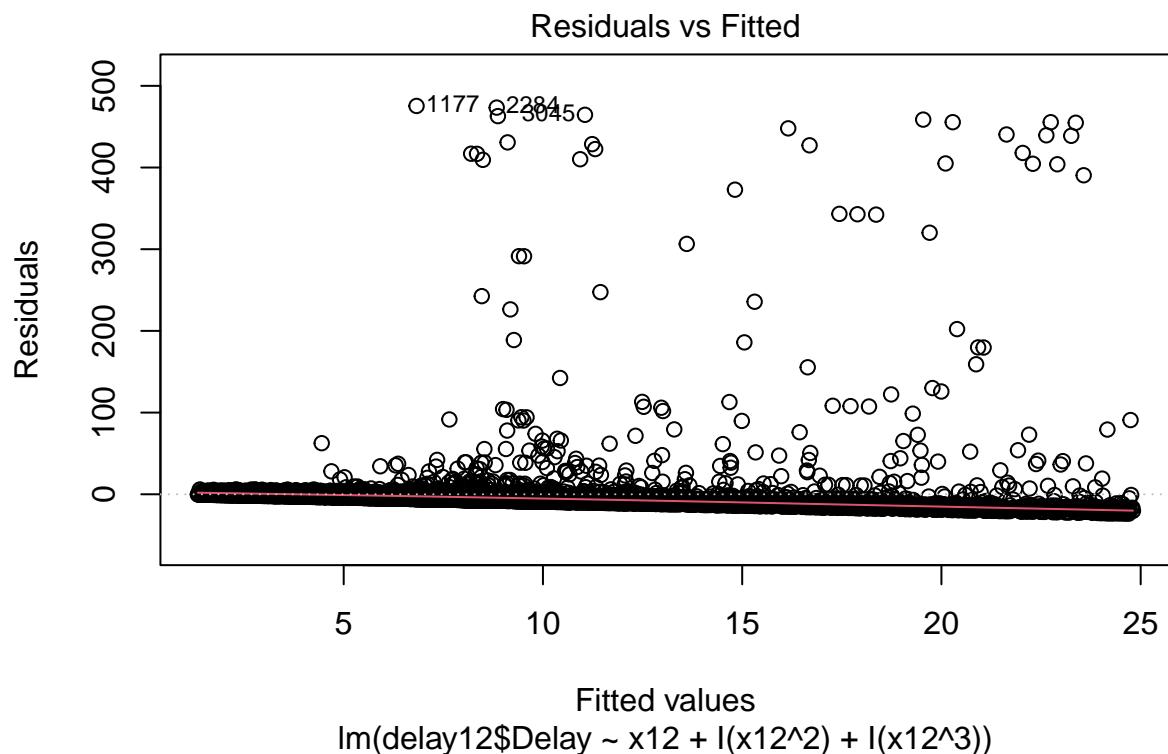


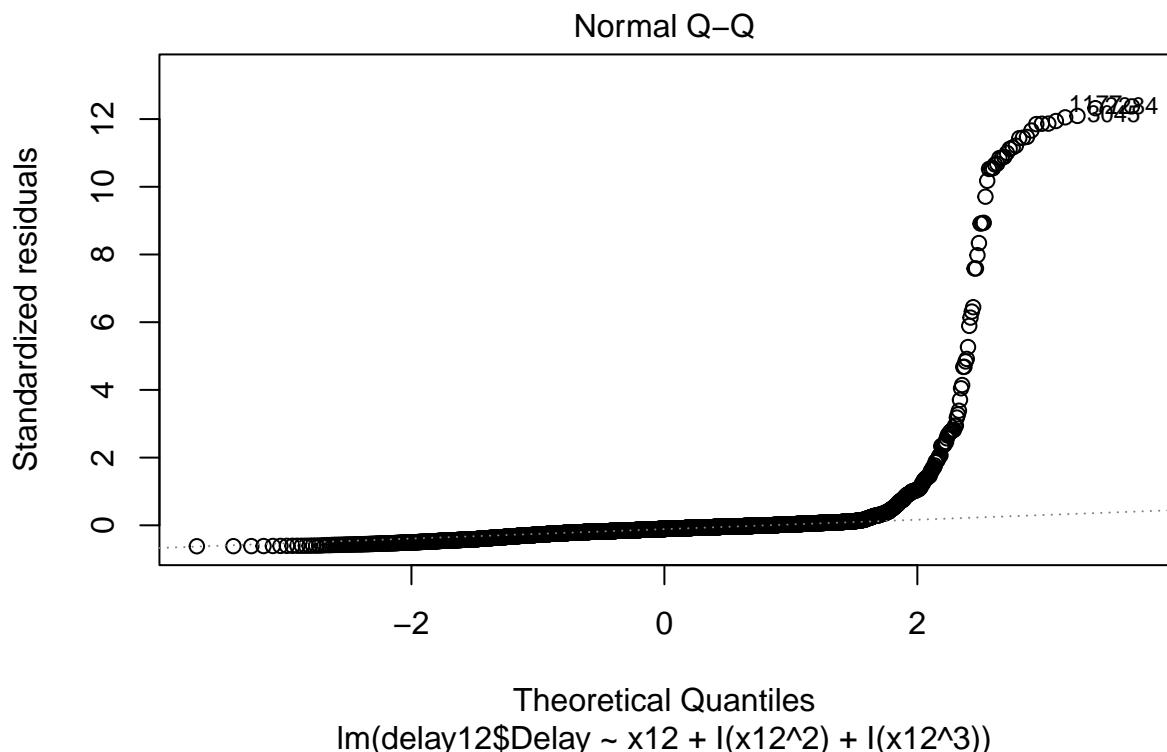


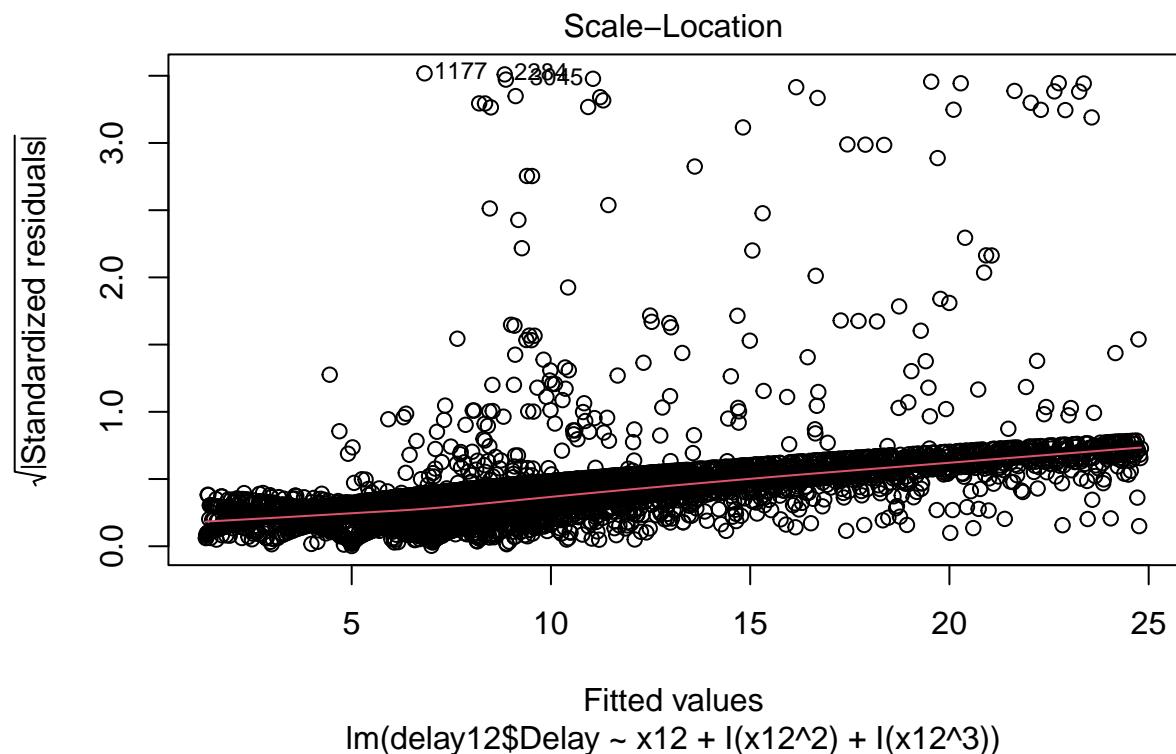


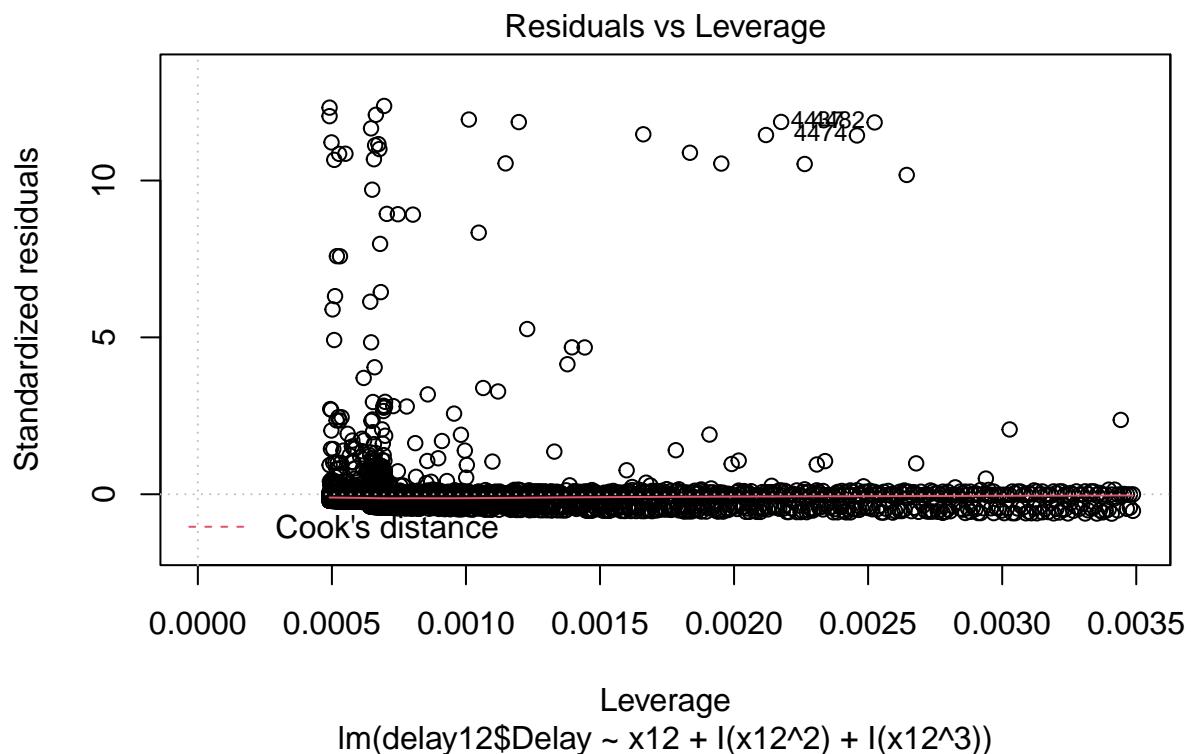


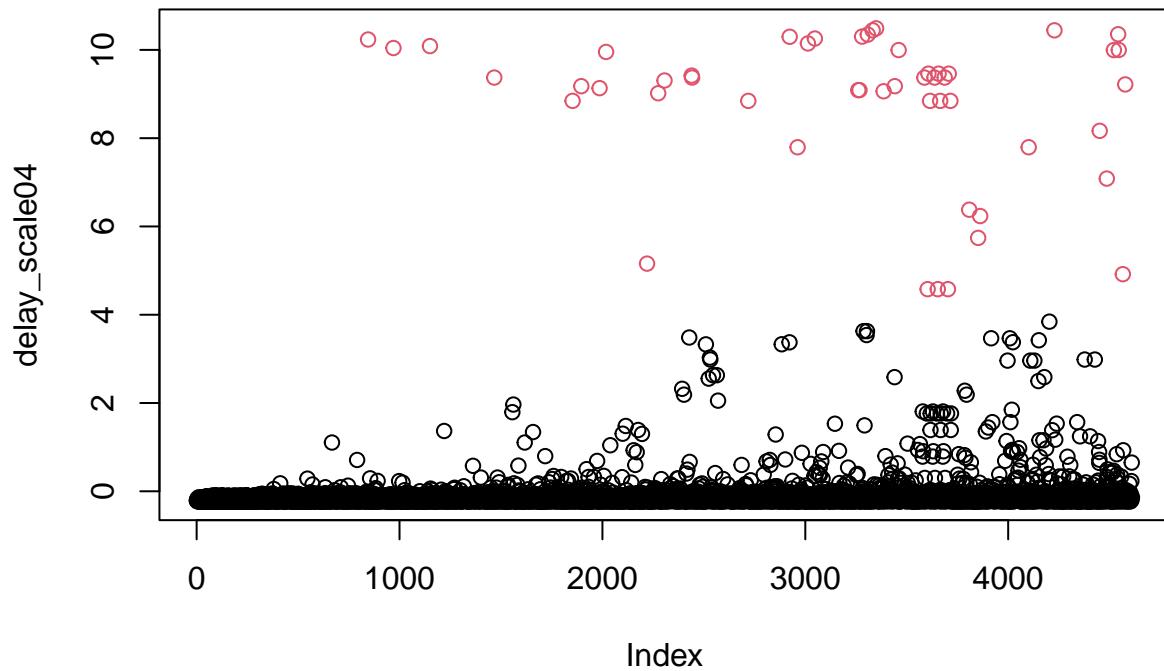


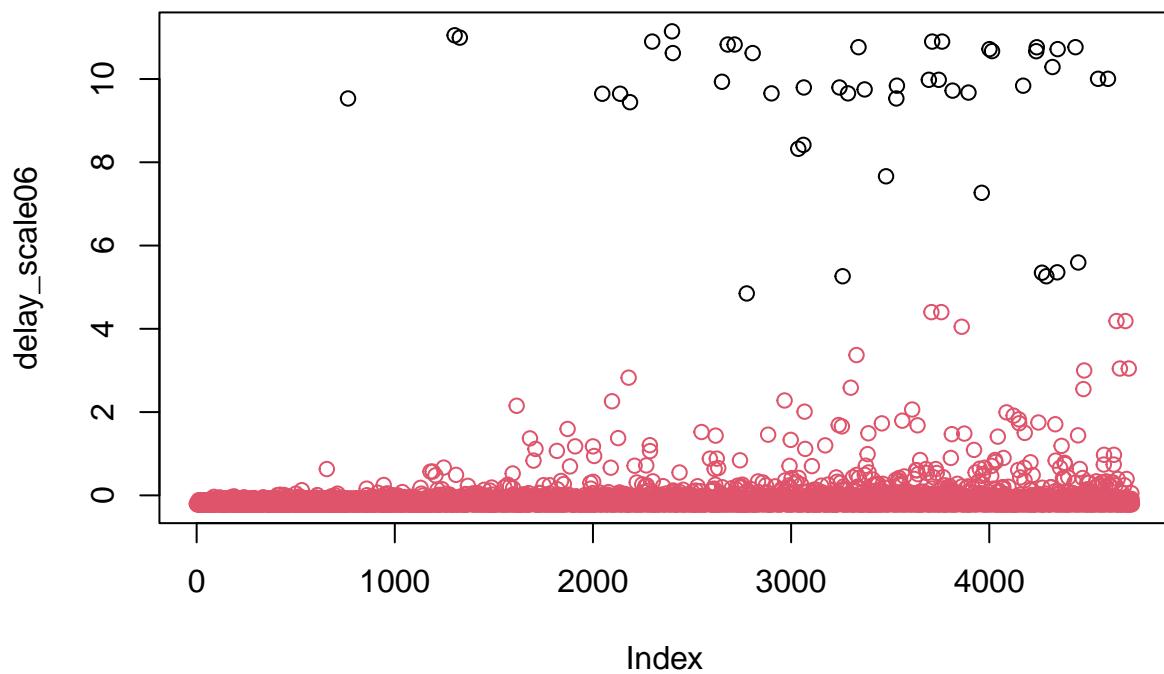


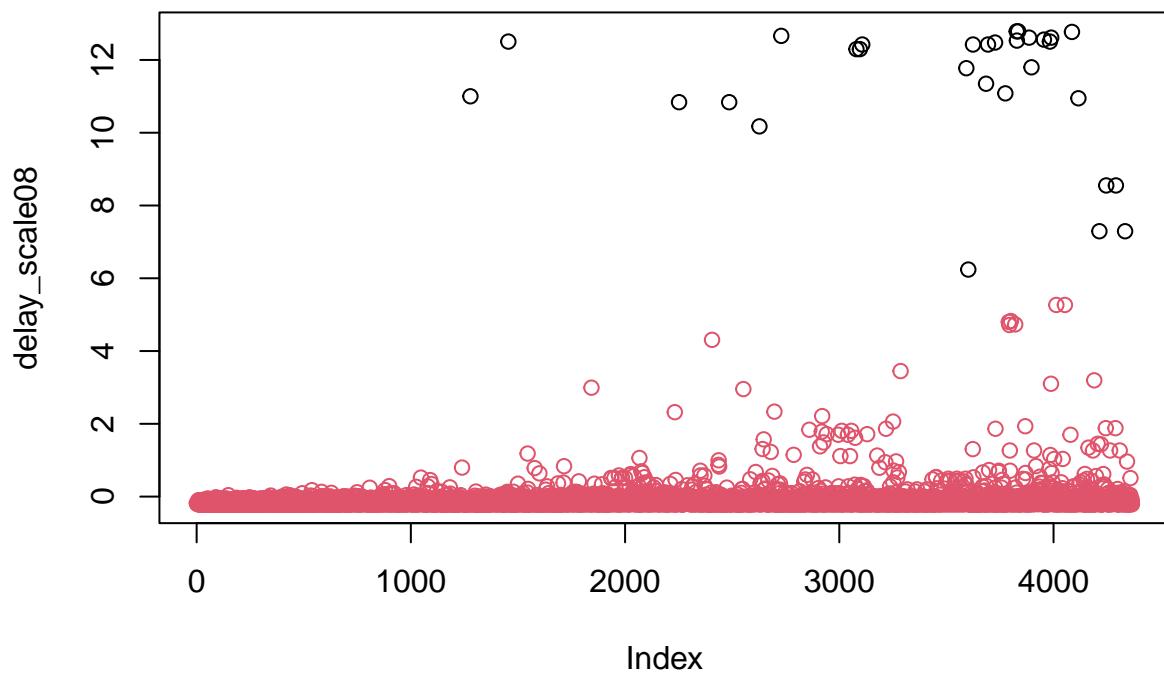


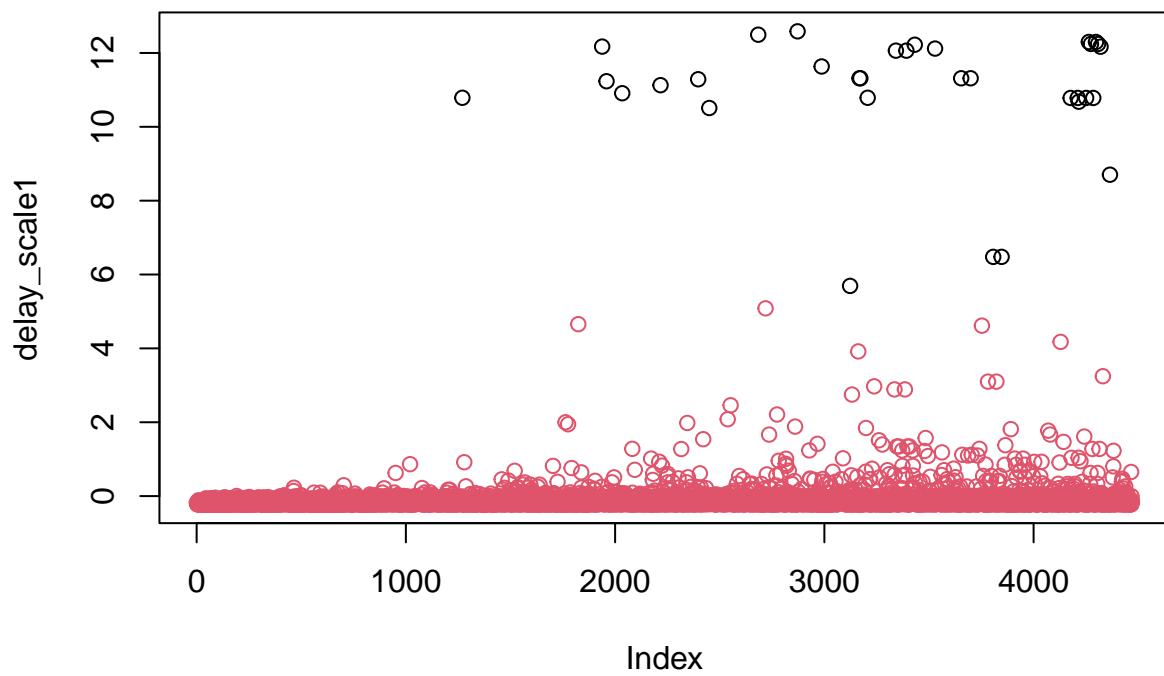


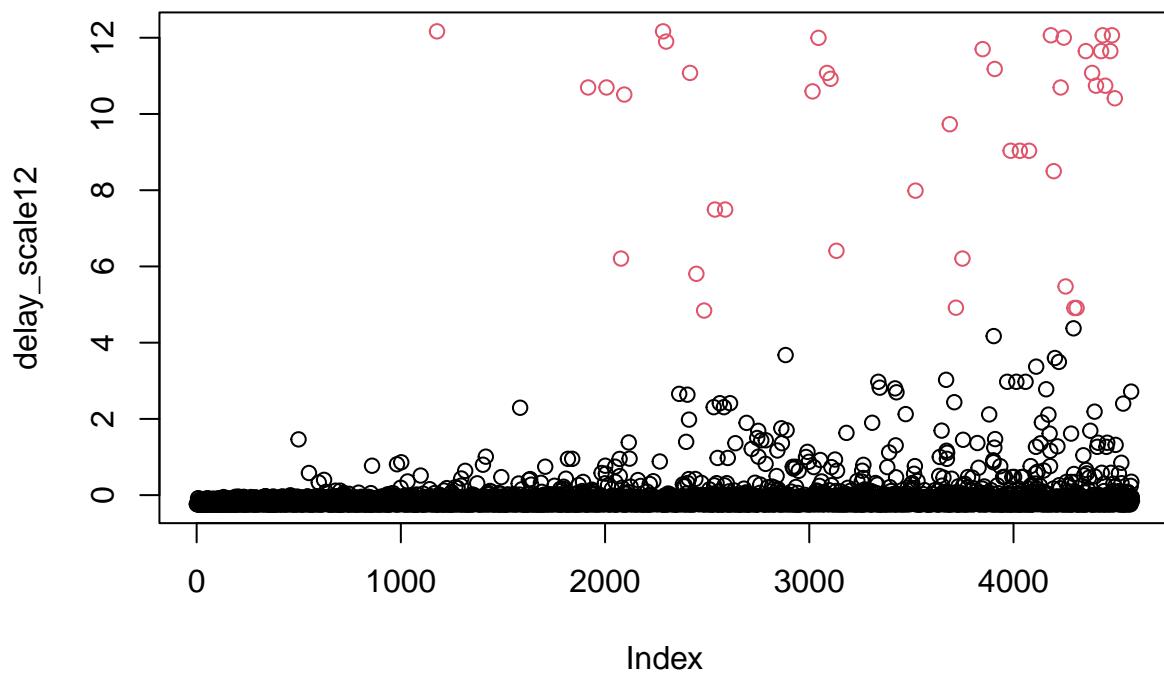












Cargamédia de enlaces ópticos por evento.

