

Storage

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10/26/2021

Parâmetros

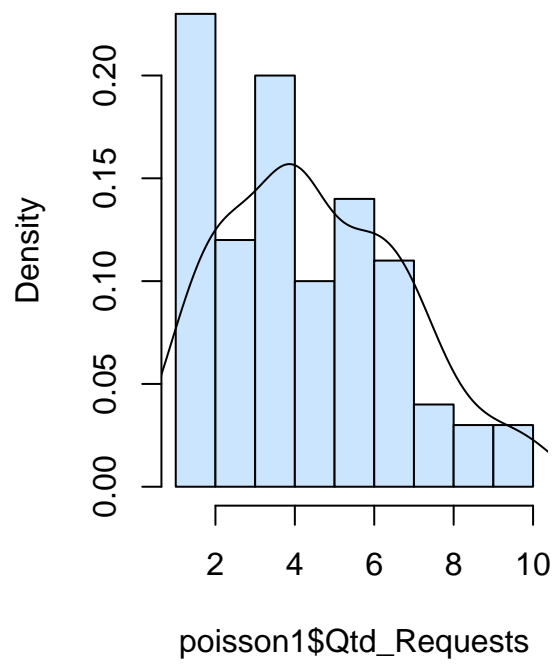
Parâmetros	Valores
alfa zipf	0.8
lambda	5
n	100
beta	0.2
BS	32
Cache	100
UE	200
Storage	MBS: 10/20/30/40/50/60GB - SBS: 4/6/8/10/12GB
Coverage	MBS 300 SBS 70
RTT inicial	CS/MBS 0.001s(1ms) MBS/MBS 0.001s(1ms) MBS/SBS 0.001s(1ms) SBS/UE 0.001s(1ms)
Tempo da Requisição	10 eventos
Mobilidade	10m

Informações da Aplicação.

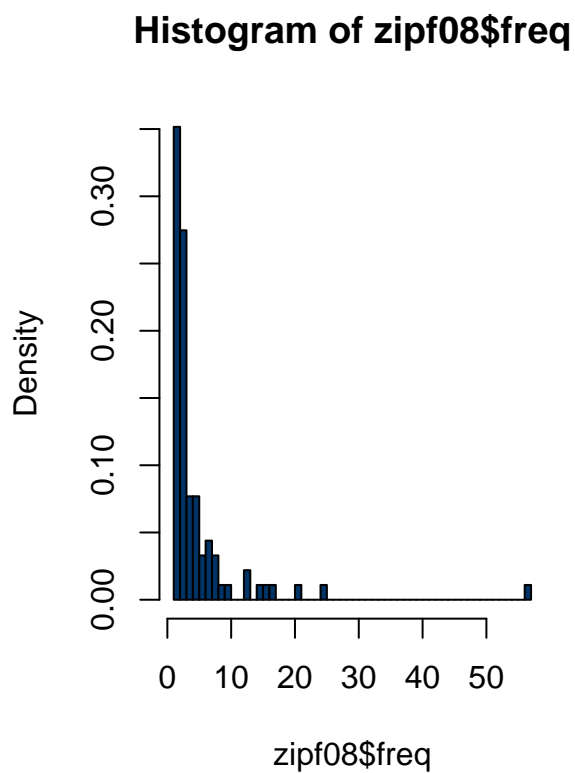
Vazão Mínima	Tamanho da Cache	Buffer
100 Mbps	2GB/2000MB	48Mb
100 Mbps	4GB/4000MB	48Mb
100 Mbps	8GB/8000MB	48Mb

Distribuição das Requisições.

Histogram of poisson1\$Qtd_Reques

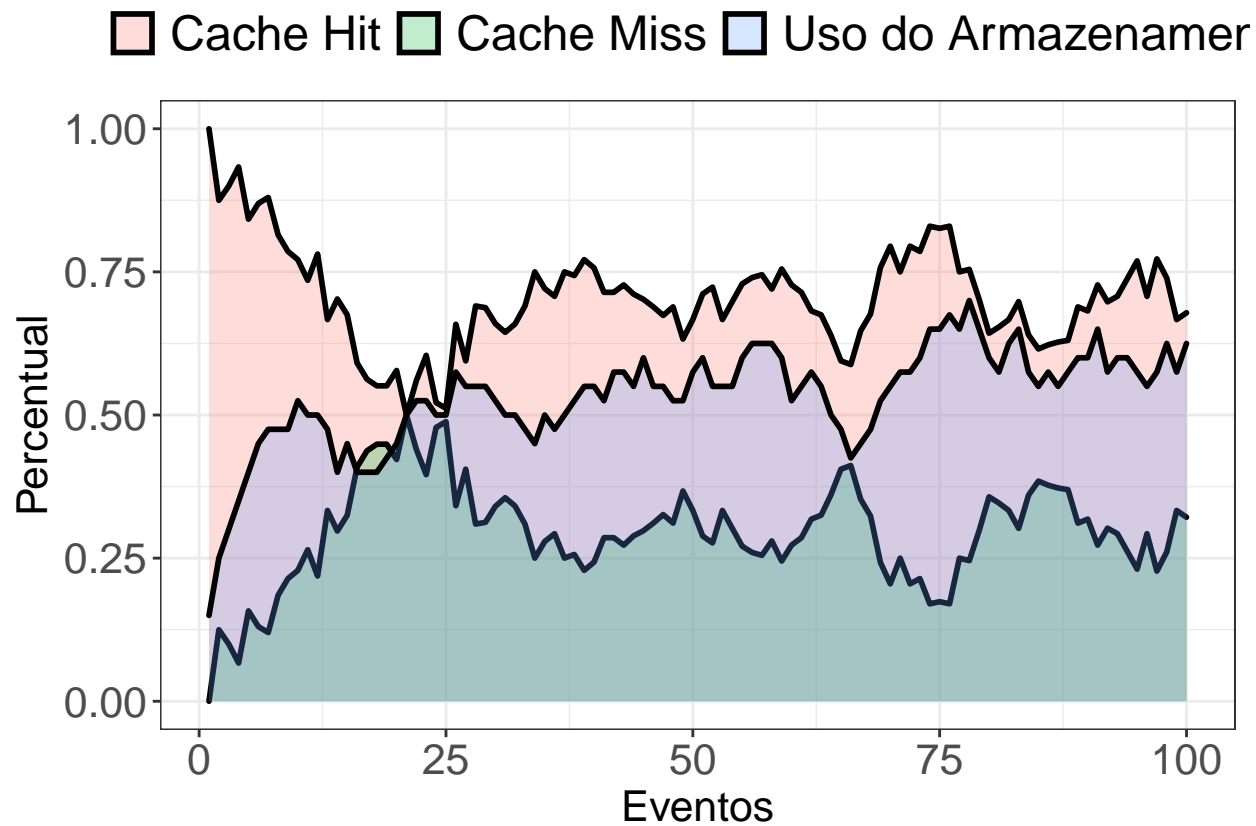


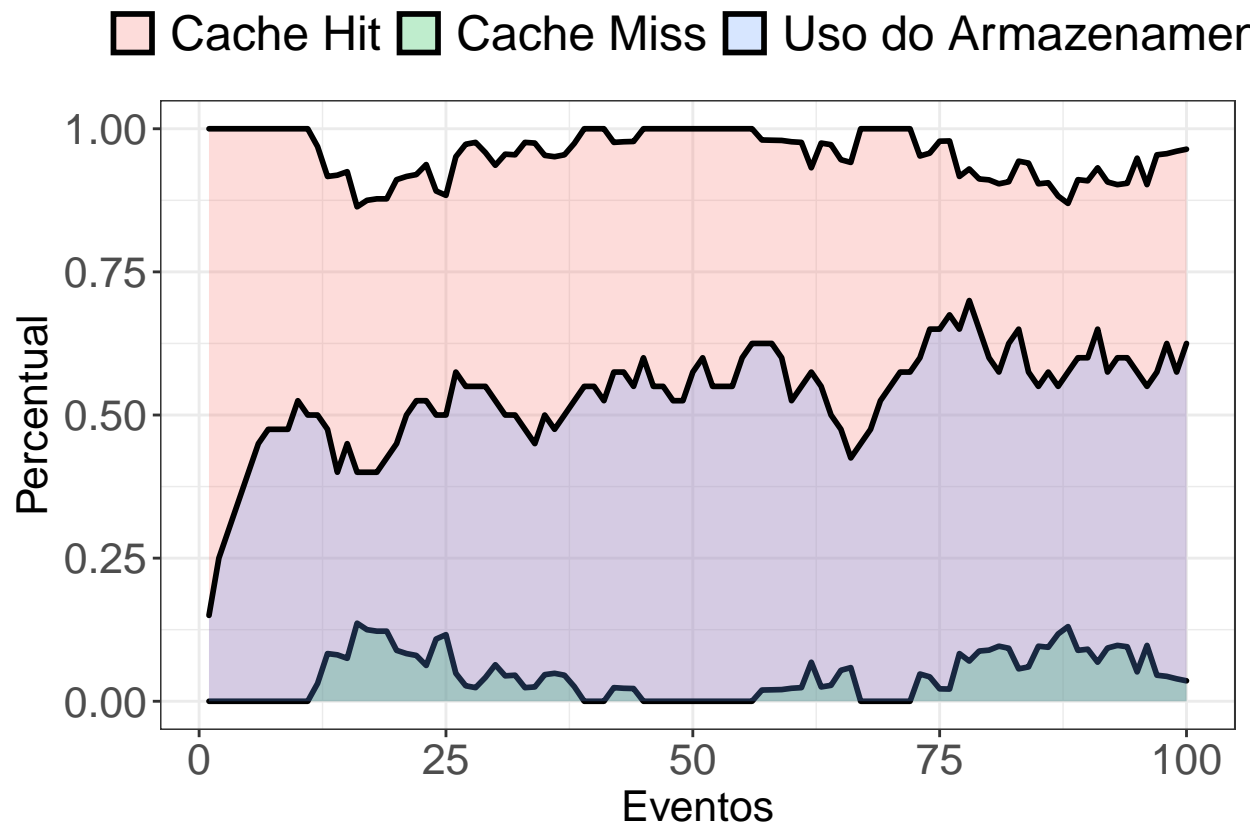
Distribuição de popularidade do conteúdo solicitado.

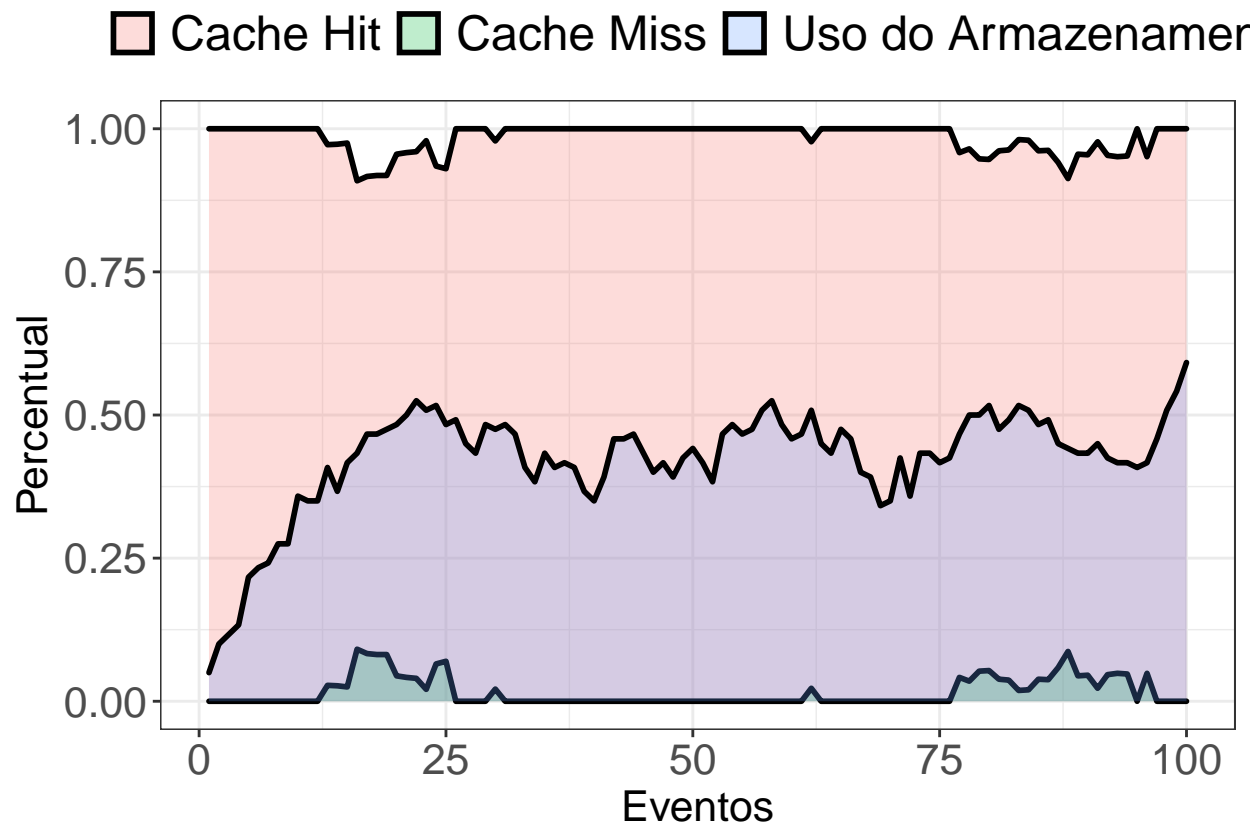


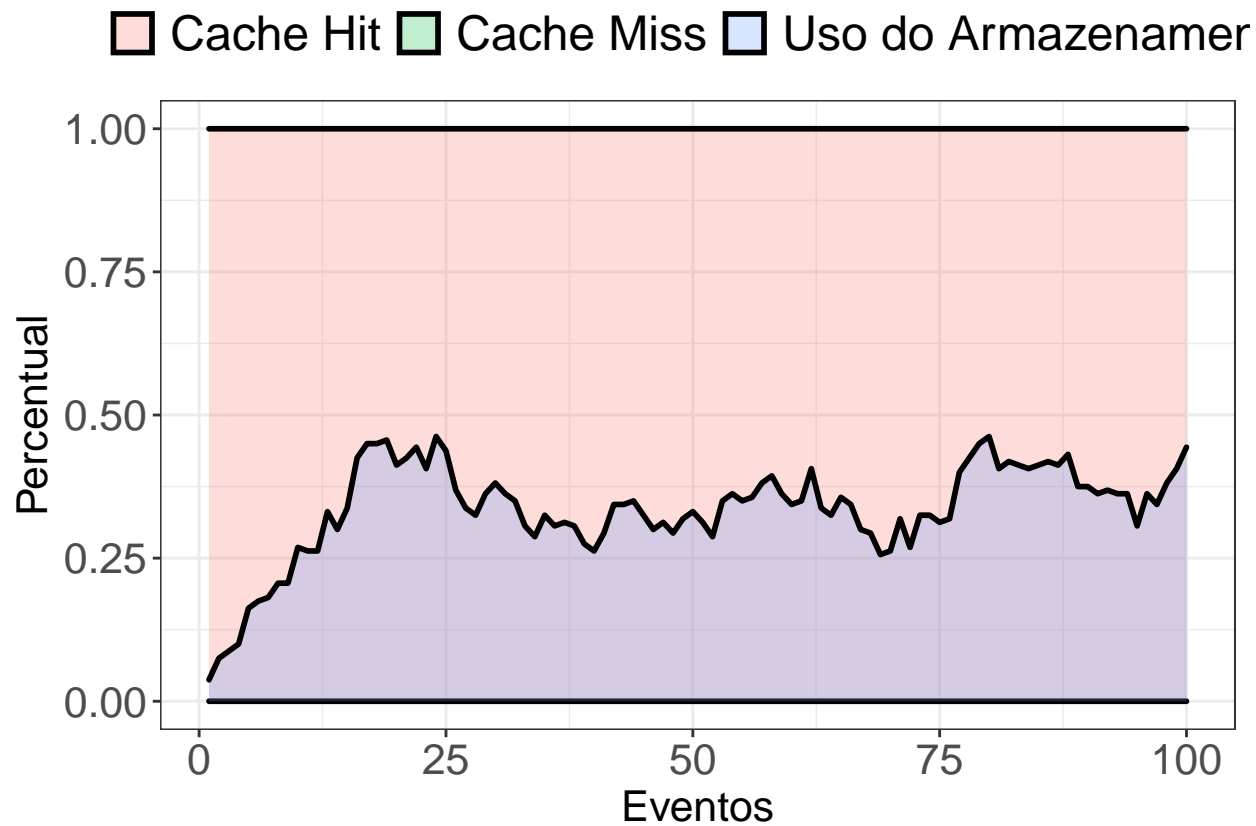
Cache, Cloud e Storage.

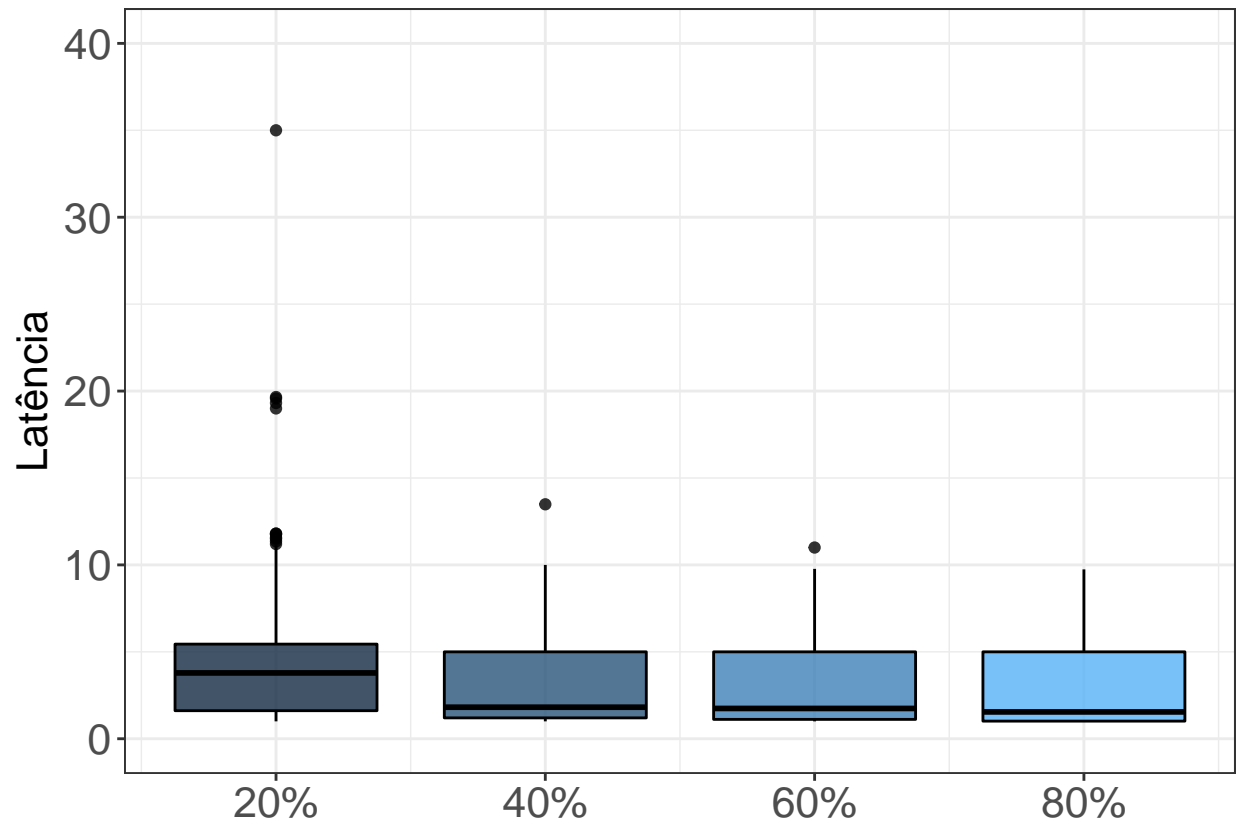
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## Saving 6.5 x 4.5 in image
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Correlação entre proporções e variação da capacidade.

```
## [1] "Storage Load"
```

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

```
## [1] "Cache Hit"
```

```
## [1] 0.782969
```

```
## [1] "Cache Miss"
```

```
## [1] -0.782969
```

Correlação entre a latência e variação da capacidade.

```
## [1] -0.2156257
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      1.000   1.614   3.786   3.868   5.443  35.000
```



```
##      0%      25%      50%      75%     100%
##  1.000  1.614  3.786  5.443 35.000
```

```
##      95%
##  7.329
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
##  1.000  1.200   1.814   2.921   5.000  13.486
```

```
##      0%      25%      50%      75%     100%
##  1.000  1.200  1.814  5.000 13.486
```

```
##      95%
##       7
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
##  1.000  1.114   1.743   2.761   5.000  11.000
```

```
##      0%      25%      50%      75%     100%
##  1.000  1.114  1.743  5.000 11.000
```

```
##      95%
##  5.943
```

```
##      Min. 1st Qu.  Median      Mean 3rd Qu.      Max.
##  1.000  1.014   1.543   2.558   5.000   9.743
```

```
##      0%      25%      50%      75%     100%
##  1.000  1.014  1.543  5.000 9.743
```

```
##      95%
##  5.986
```

Máximos

```
## [1] 0.5
```

```
## [1] 0.5
```

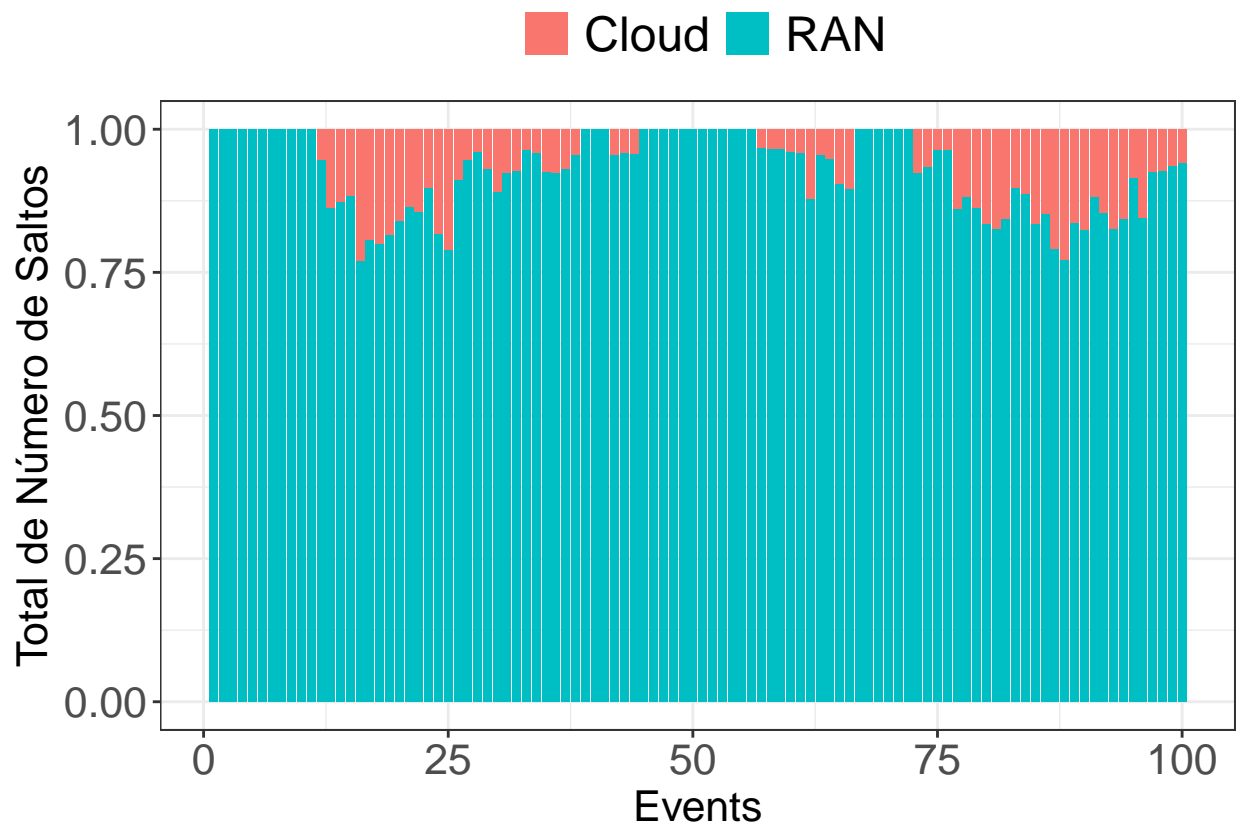
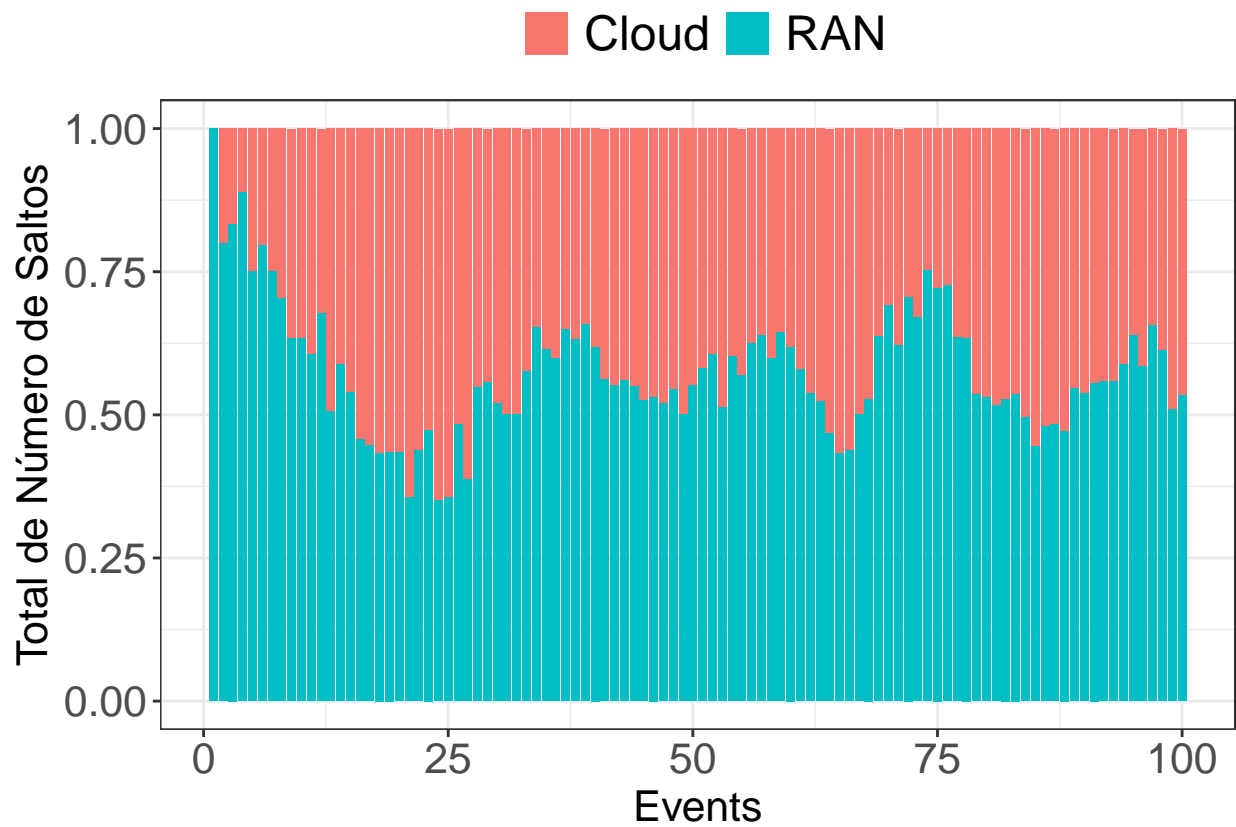
```
## [1] 0.7
```

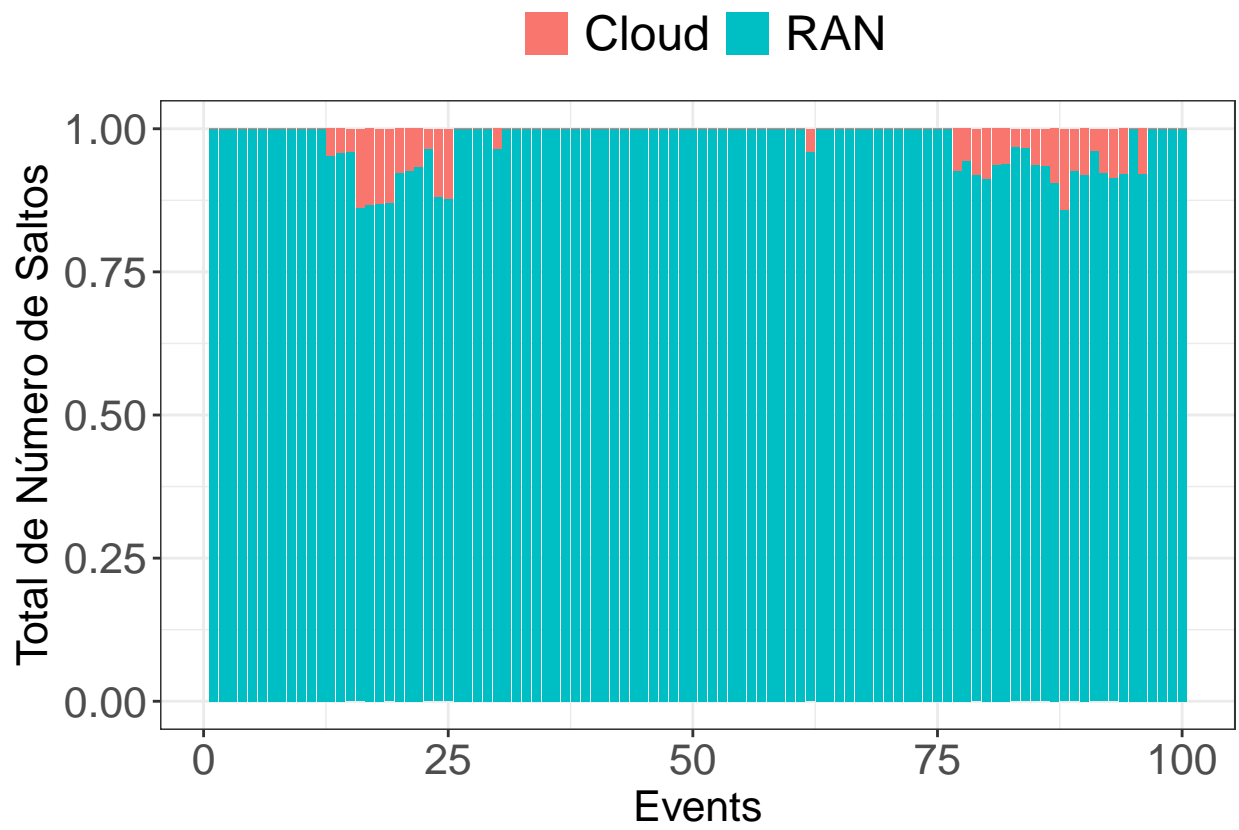
```
## [1] 0
```

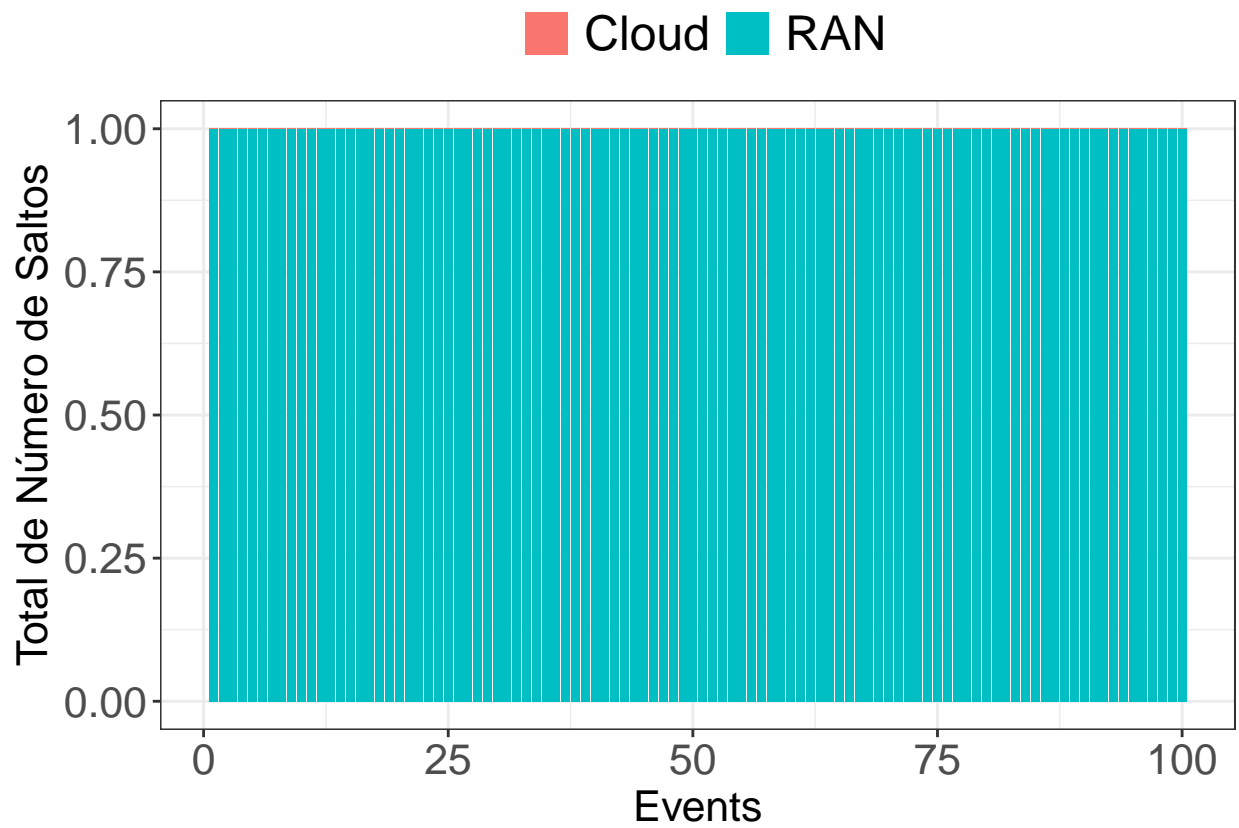
```
## [1] 1
```

```
## [1] 0.4625
```

Somatório de Saltos por Evento - Fronthaul vs Backhaul

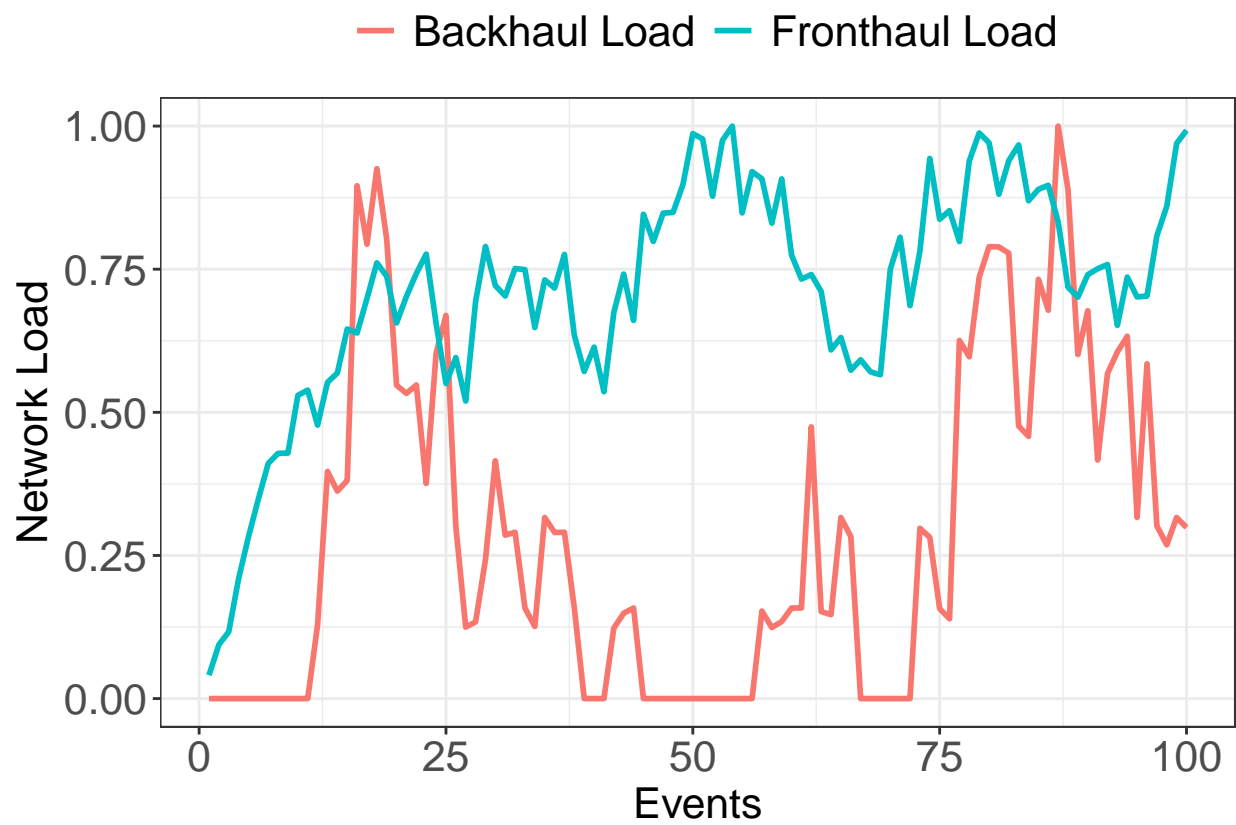
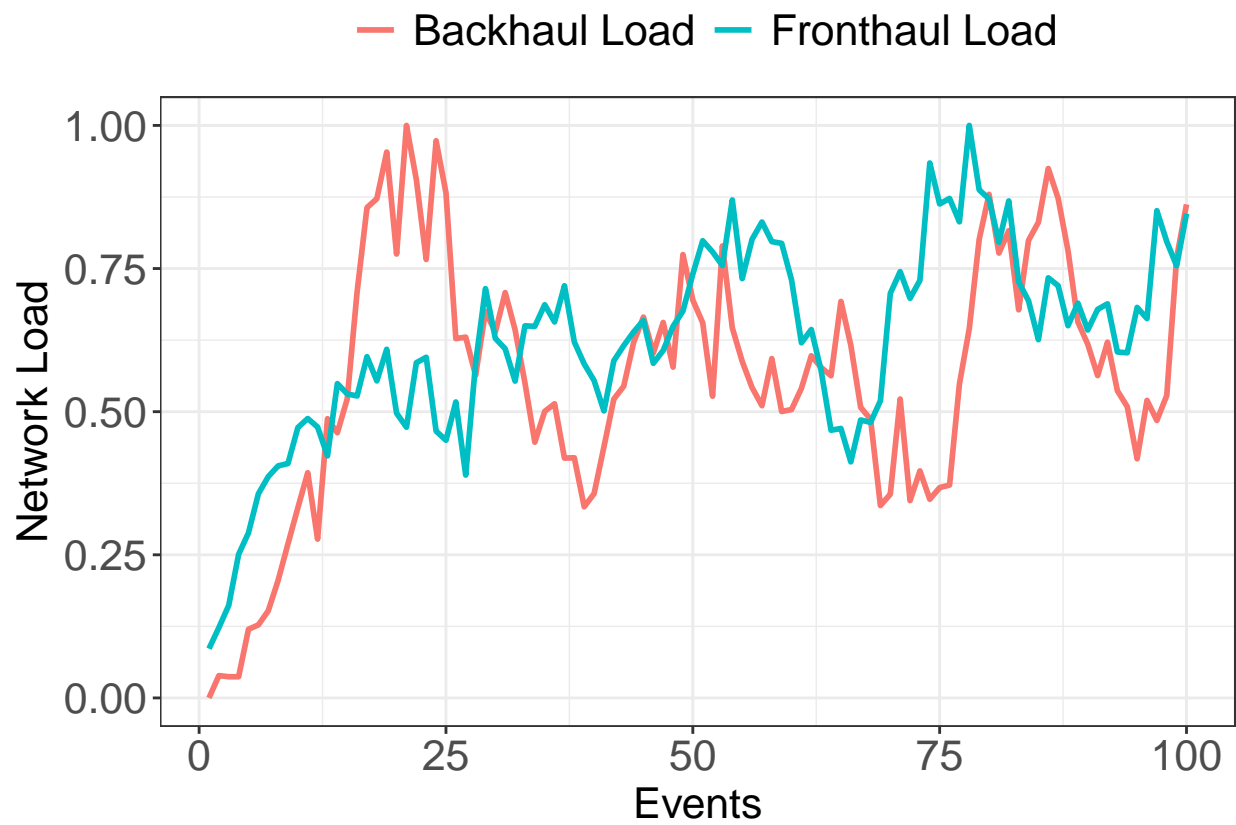


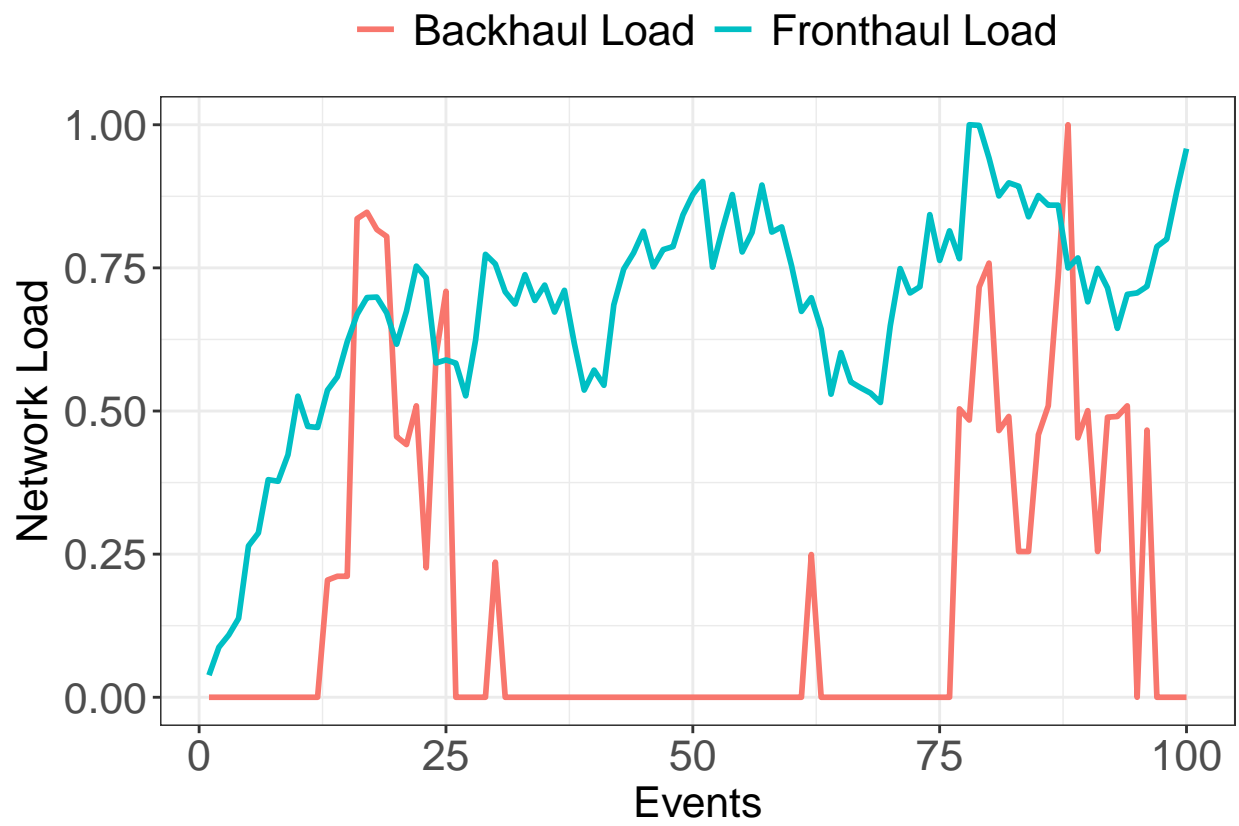


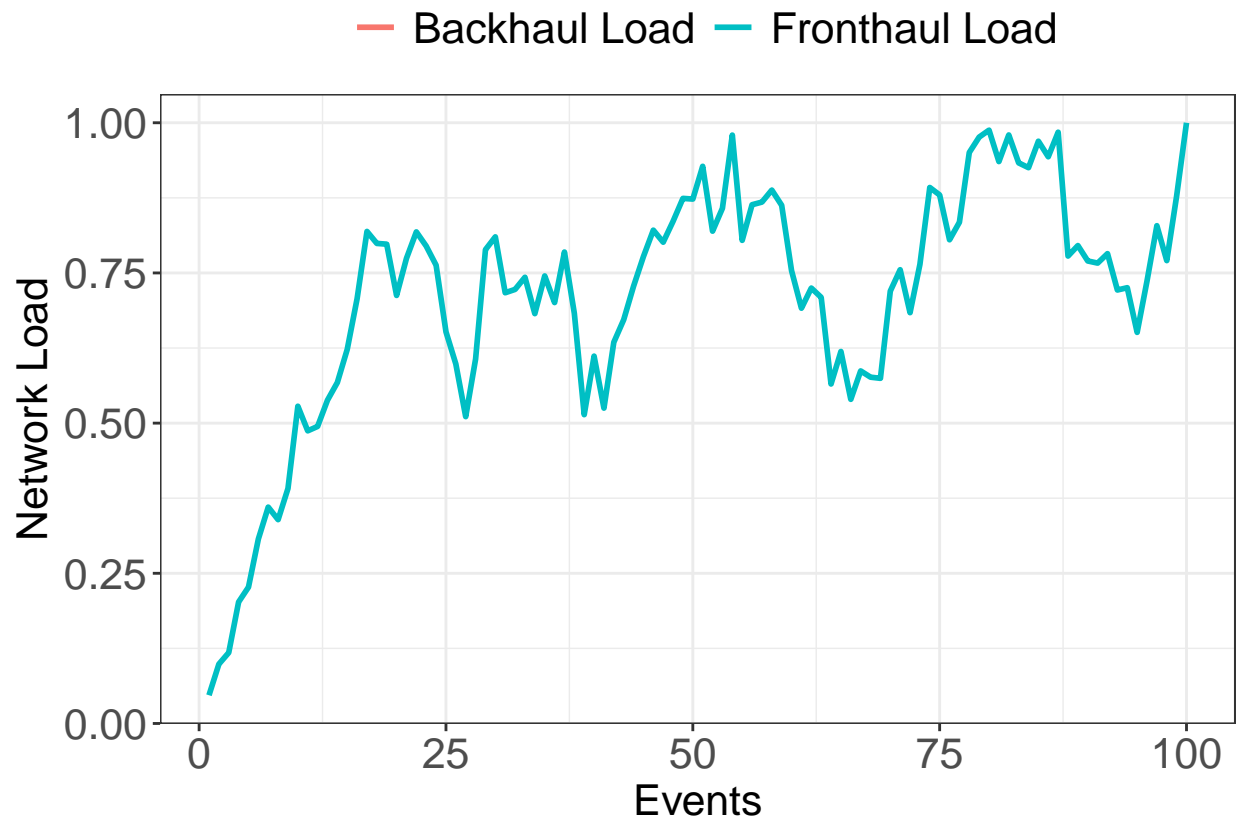


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Network Load - Fronthaul vs Backhaul







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