Report Lab6

CS 252

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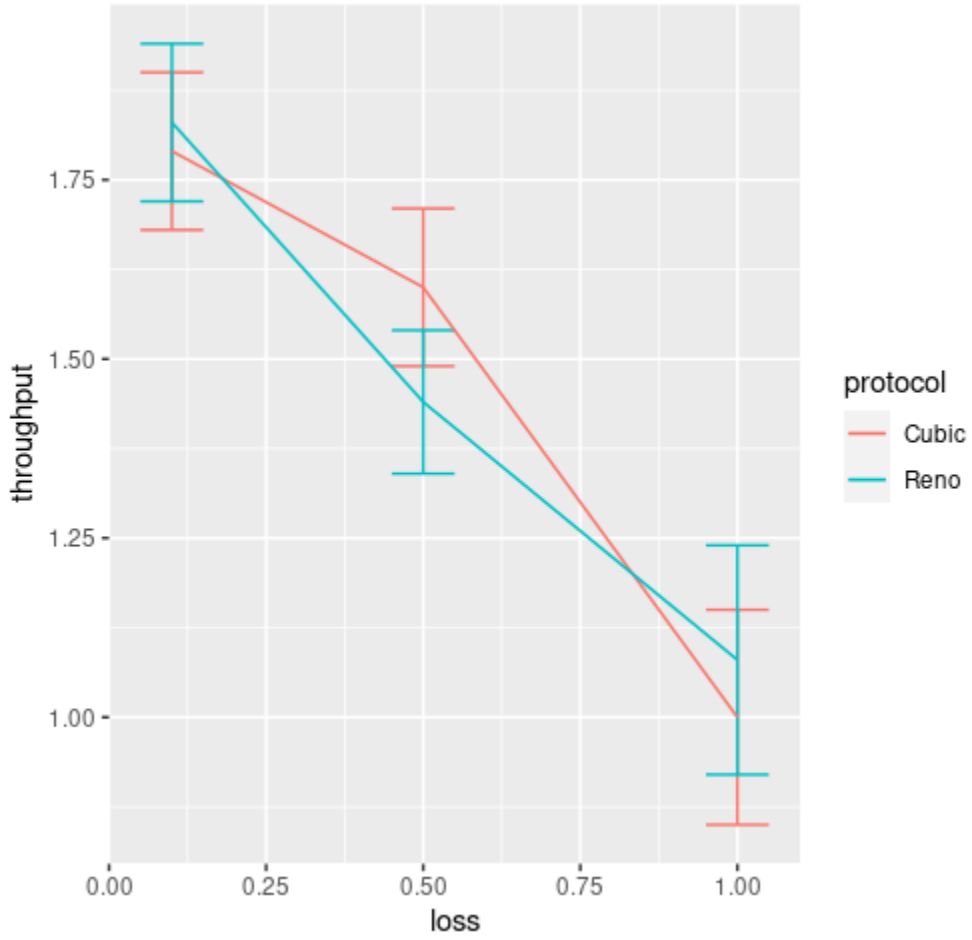
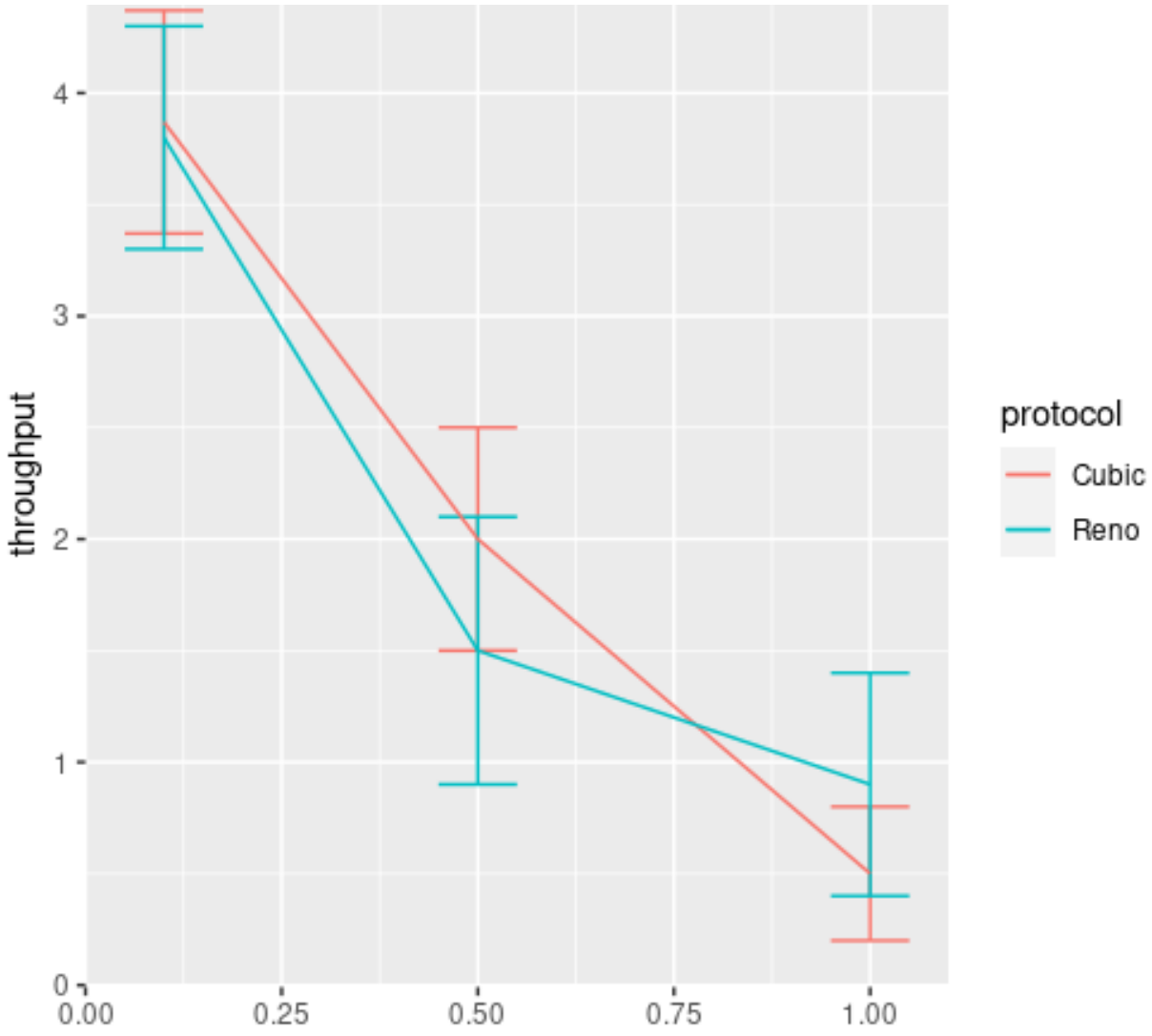
PLOT 1

Throughput v/s Loss, Delay = 10ms (xscale=%age, yscale=1e8)



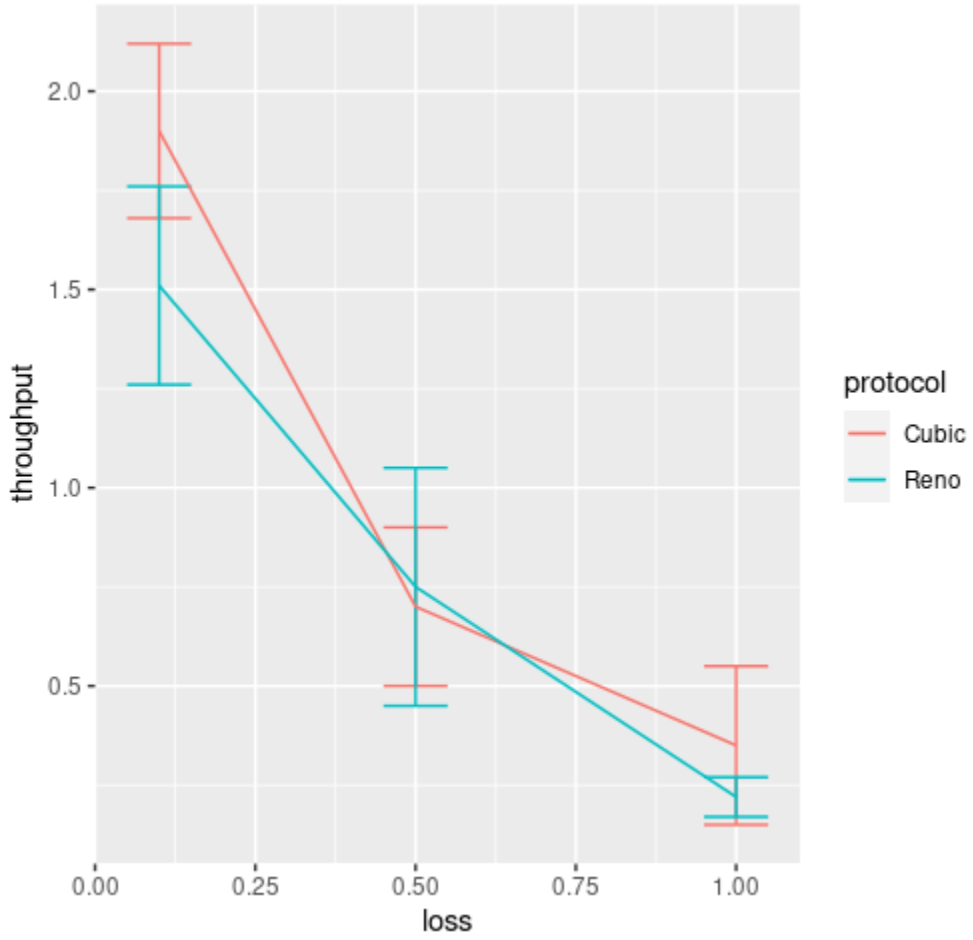
PLOT 2

Throughput v/s Loss, Delay = 50ms (xscale=%age, yscale=1e7)



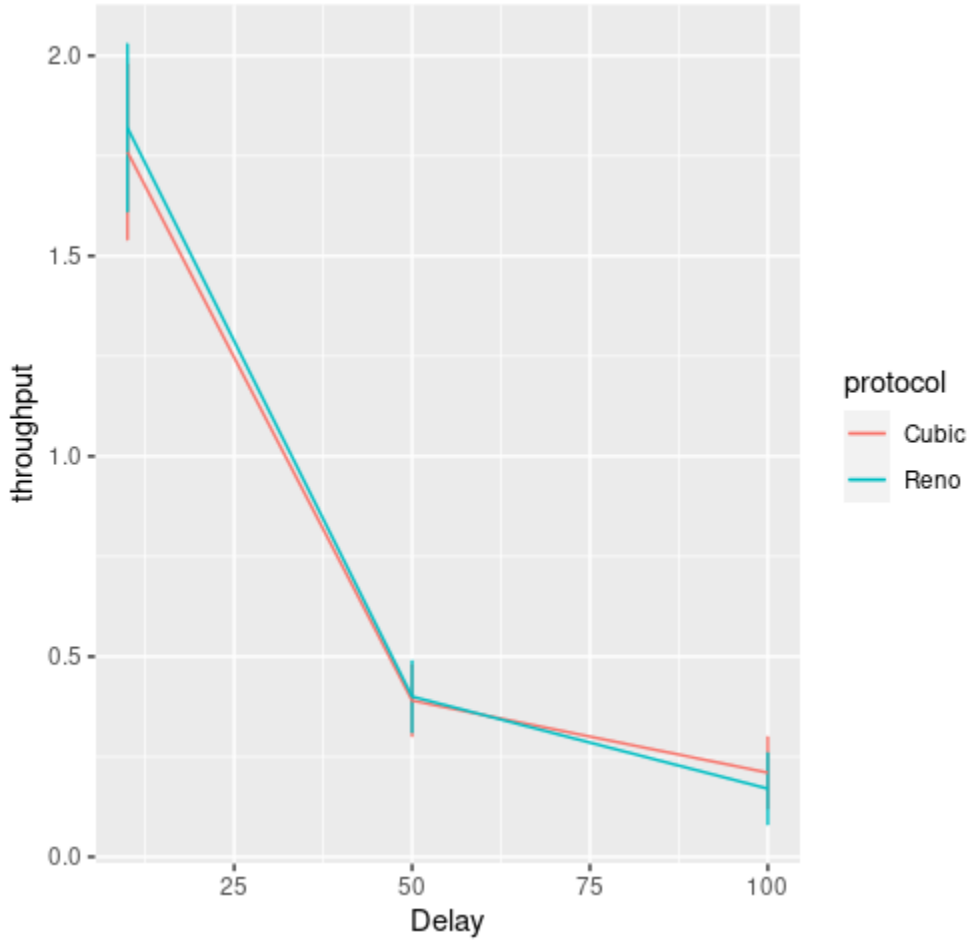
PLOT 3

Throughput v/s Loss, Delay = 100ms (xscale=%age, yscale=1e7)



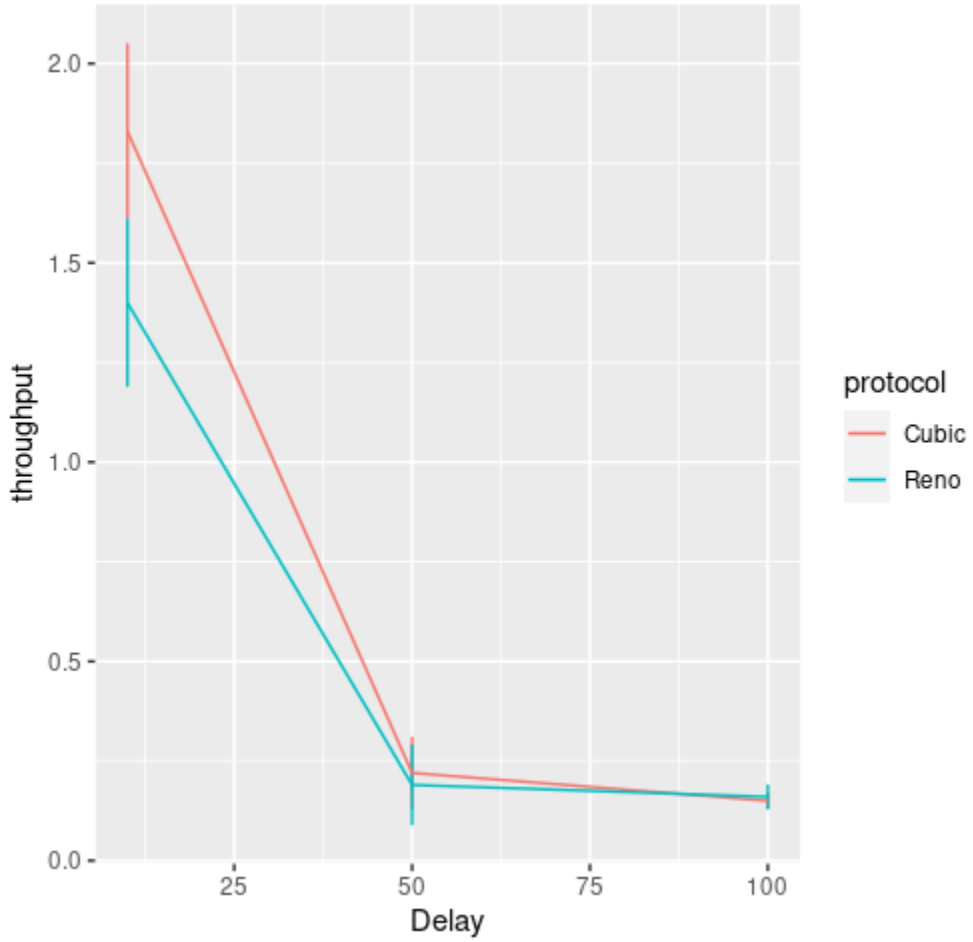
PLOT 4

Throughput v/s Delay, Loss = 0.1% (xscale=ms, yscale=1e8)



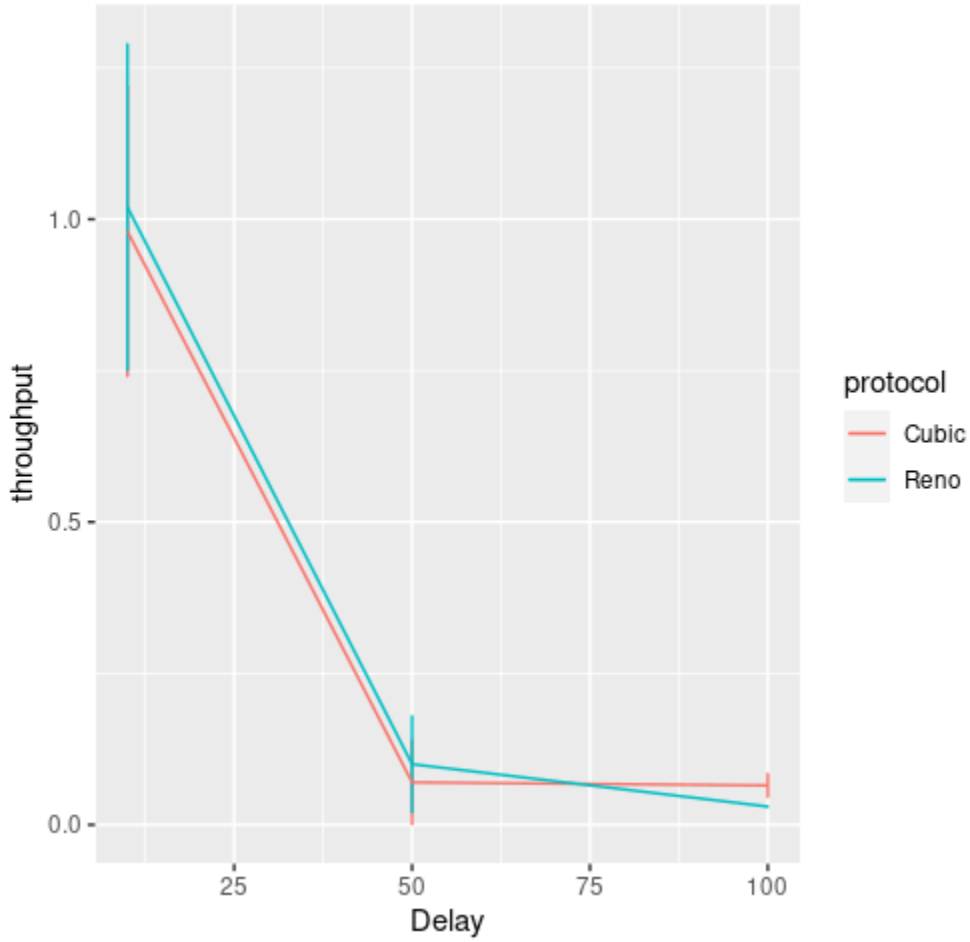
PLOT 5

Throughput v/s Delay, Loss = 0.5% (xscale=ms, yscale=1e8)



PLOT 6

Throughput v/s Delay, Loss = 1% (xscale=ms, yscale=1e8)



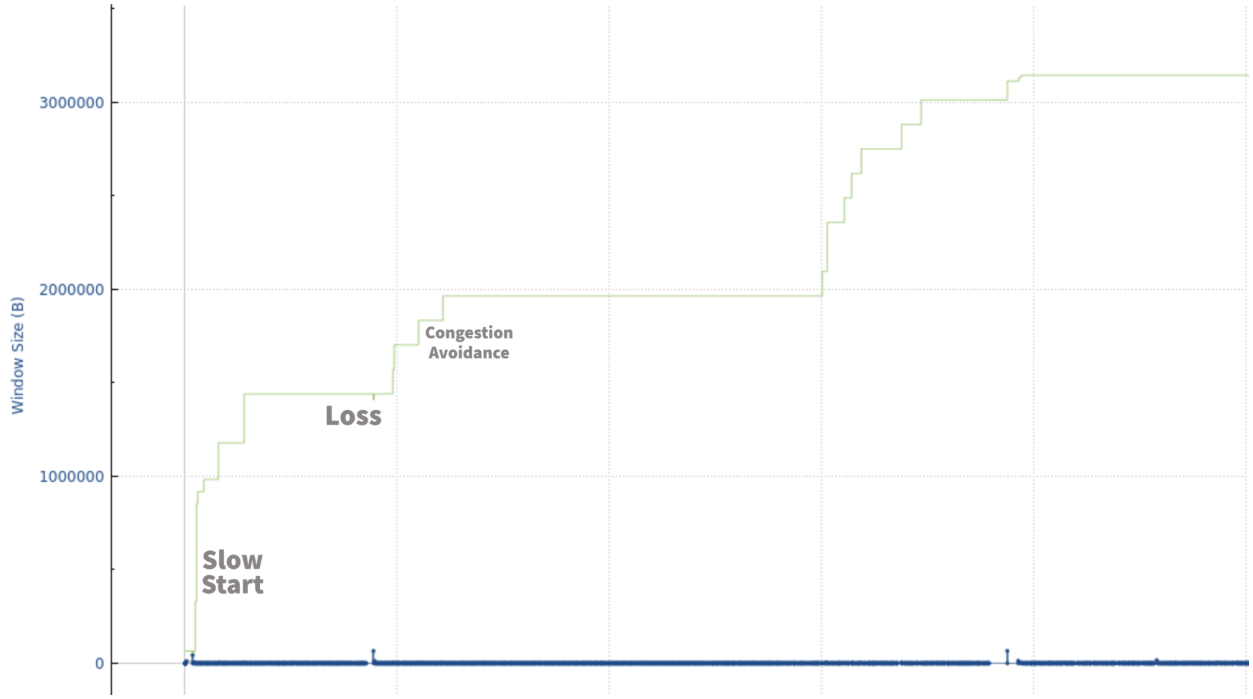
As we can see from the above graph that CubicThroughput is above Reno Throughput (mostly). So we can say that Cubic is more aggressive than Reno. Hence our observation confirms this.

For both Reno and Cubic, as we increase Delay first throughput decrease drastically and then afterward it almost remains constant (or decreases slightly).

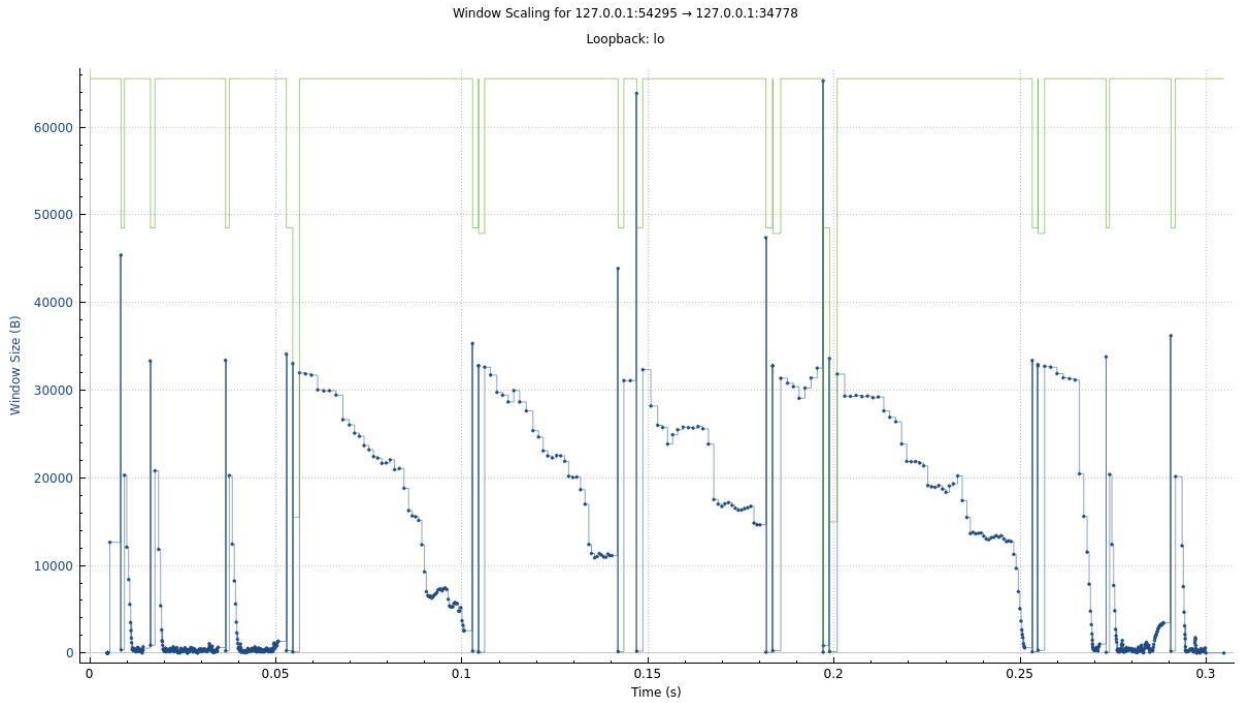
For both Reno and Cubic, as we increase loss, our throughput decrease with it (at least in our observation from 0.1% to 1%).

Wireshark Plot

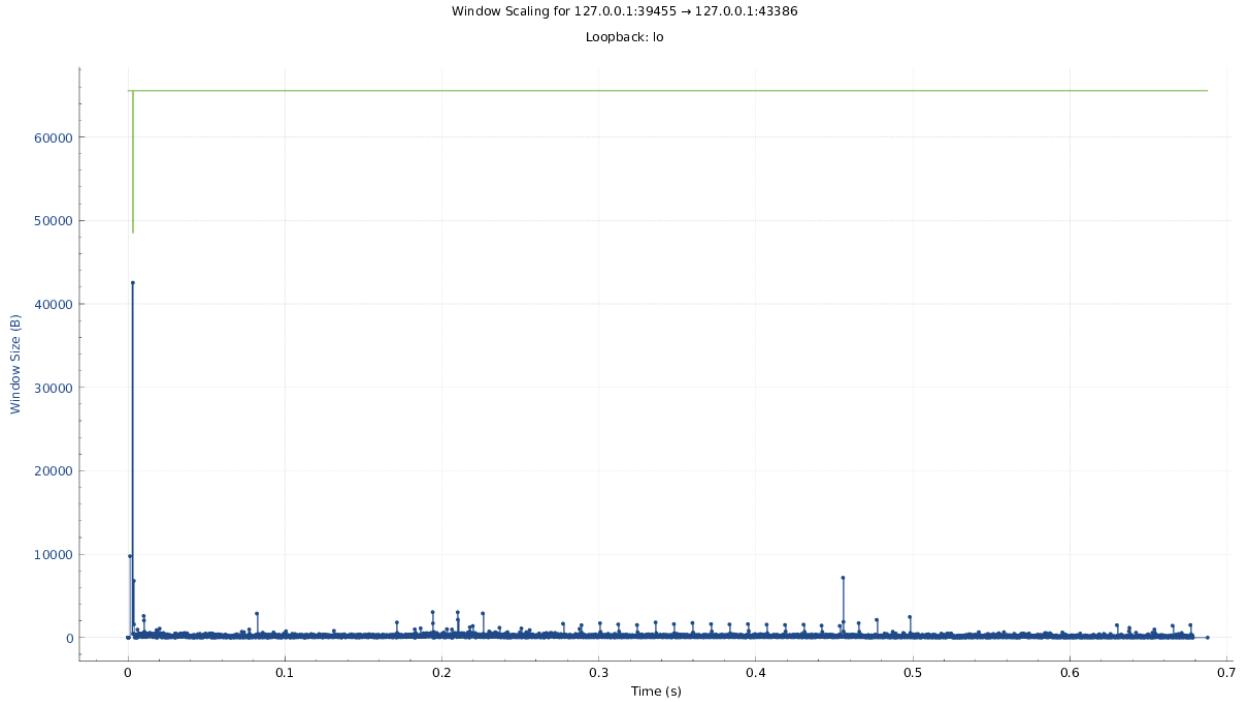
Reno | Delay = 10ms | Loss = 0.1%



Reno | Delay = 100ms | Loss = 1%



Cubic | Delay = 10ms | Loss = 0.1%



Cubic | Delay = 100ms | Loss = 1%