Why your internet is bad !
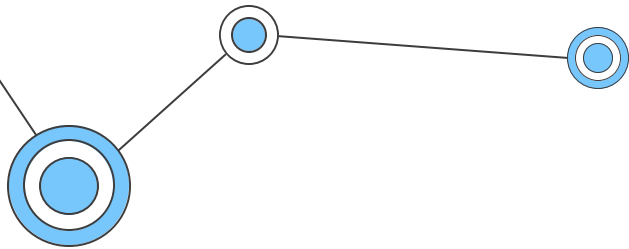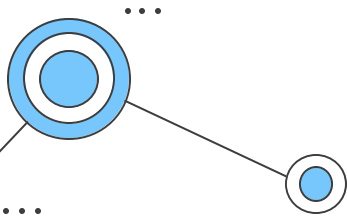
Félix Gaudin

UCLouvain

"Can you stop using all the
bandwidth ? I can't do my call"
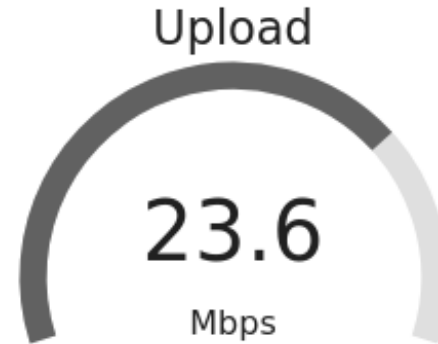
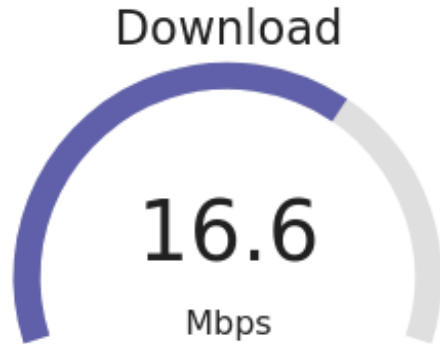—My mother

1

Typical speedtest

Ping
13.0 ms

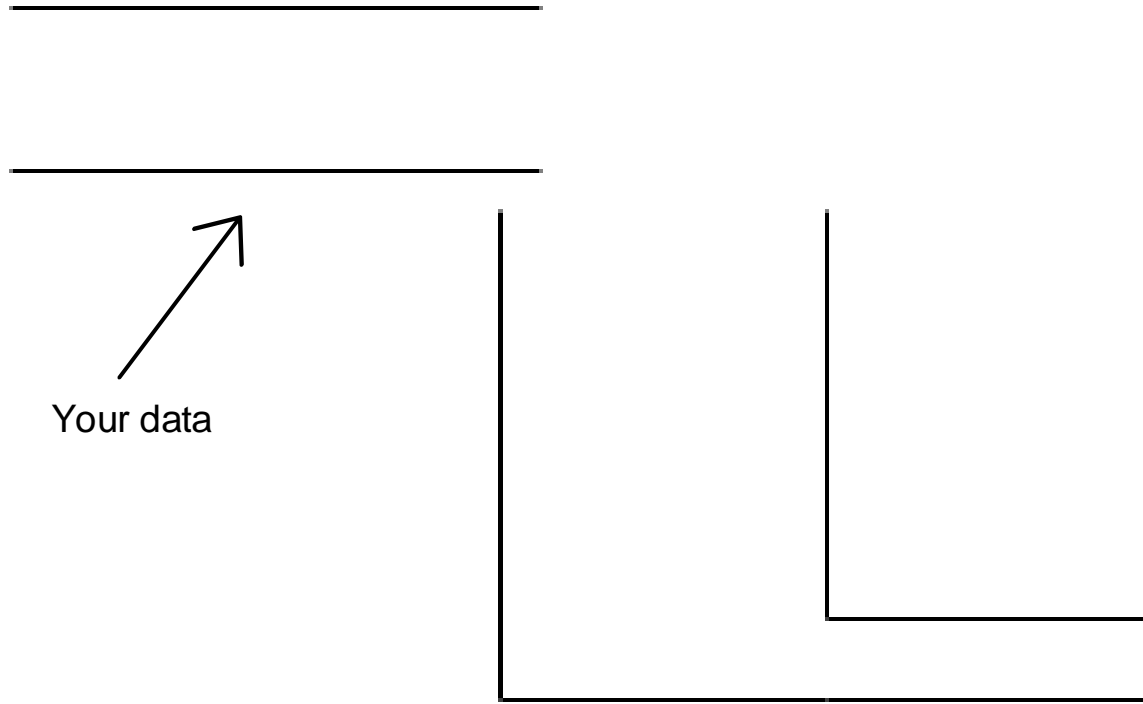Jitter
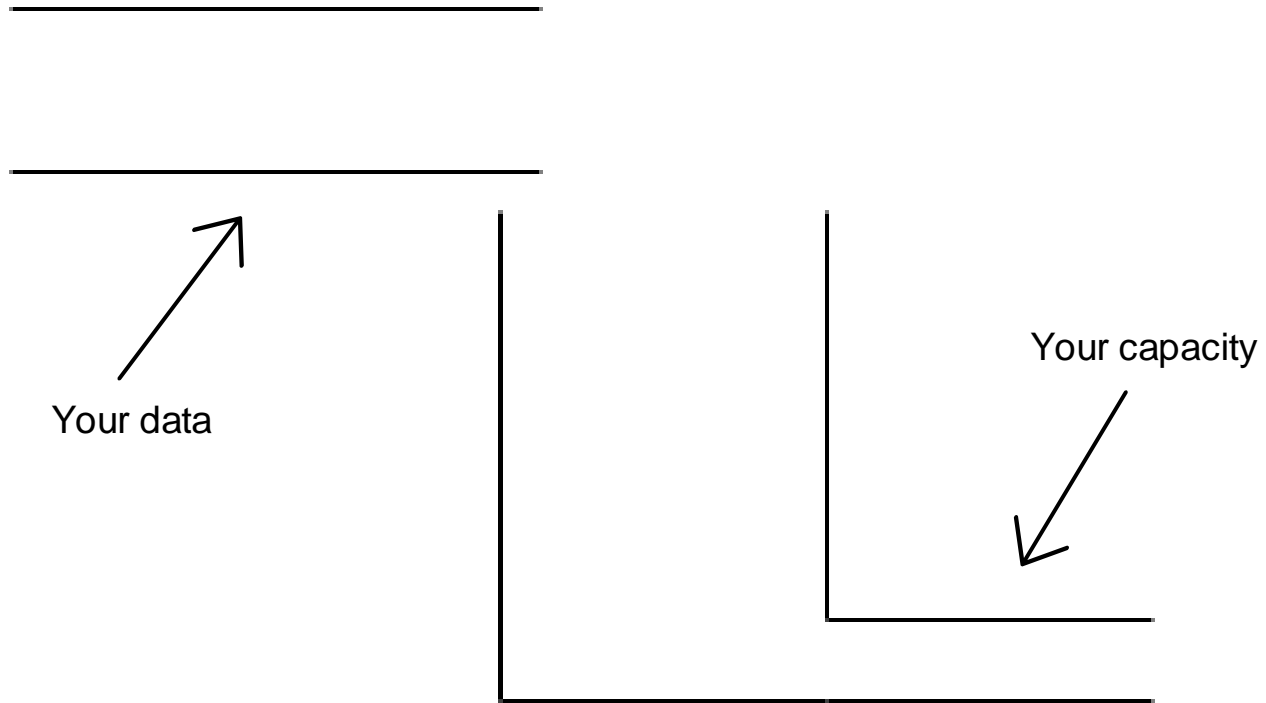16.7 ms
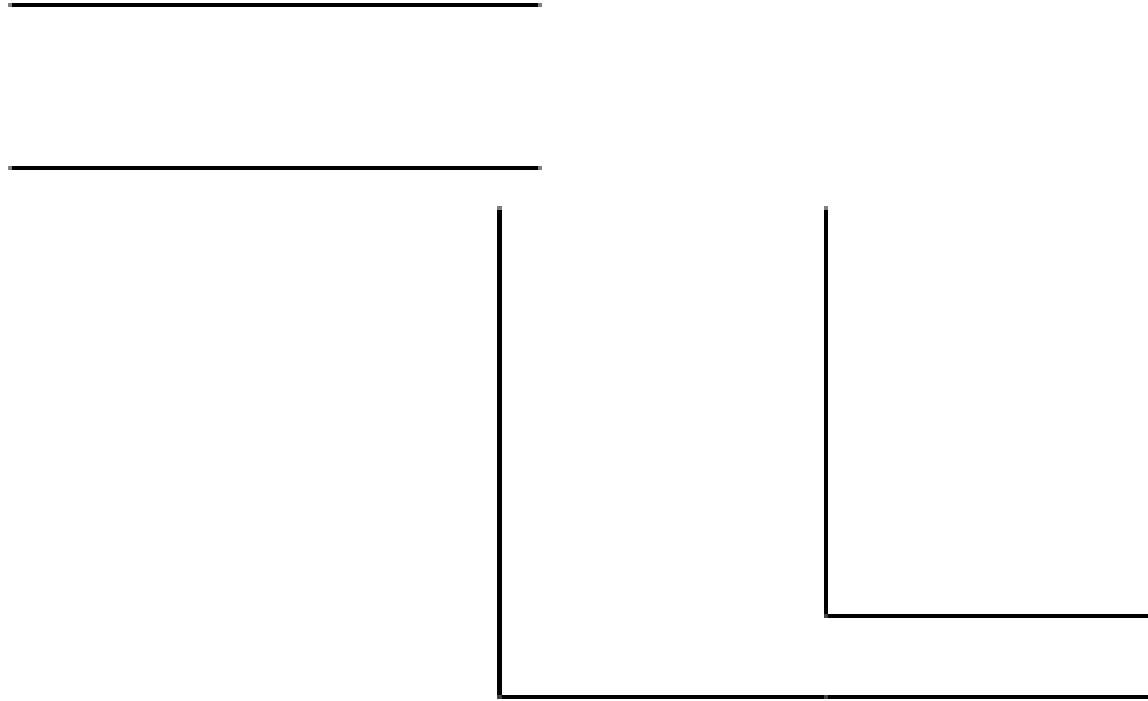
Download
16.6
Mbps

Upload
23.6
Mbps

Bufferbloat is the problem !

Bufferbloat is the problem !

Your data

Bufferbloat is the problem !

Your data

Your capacity

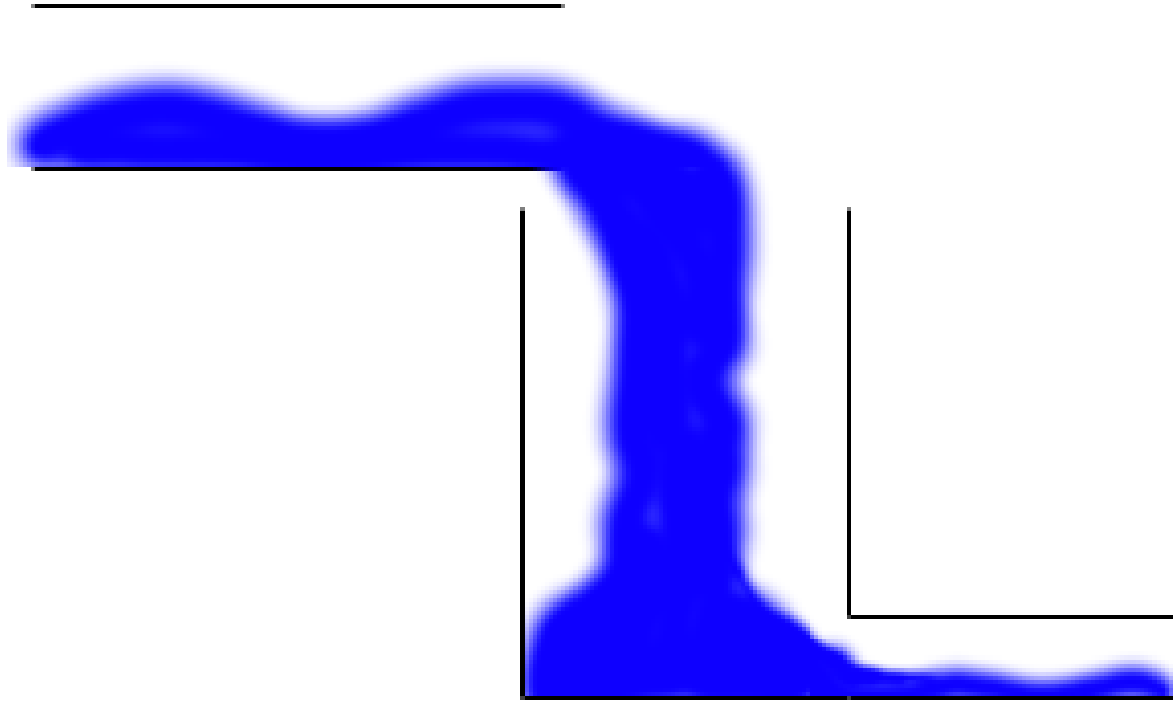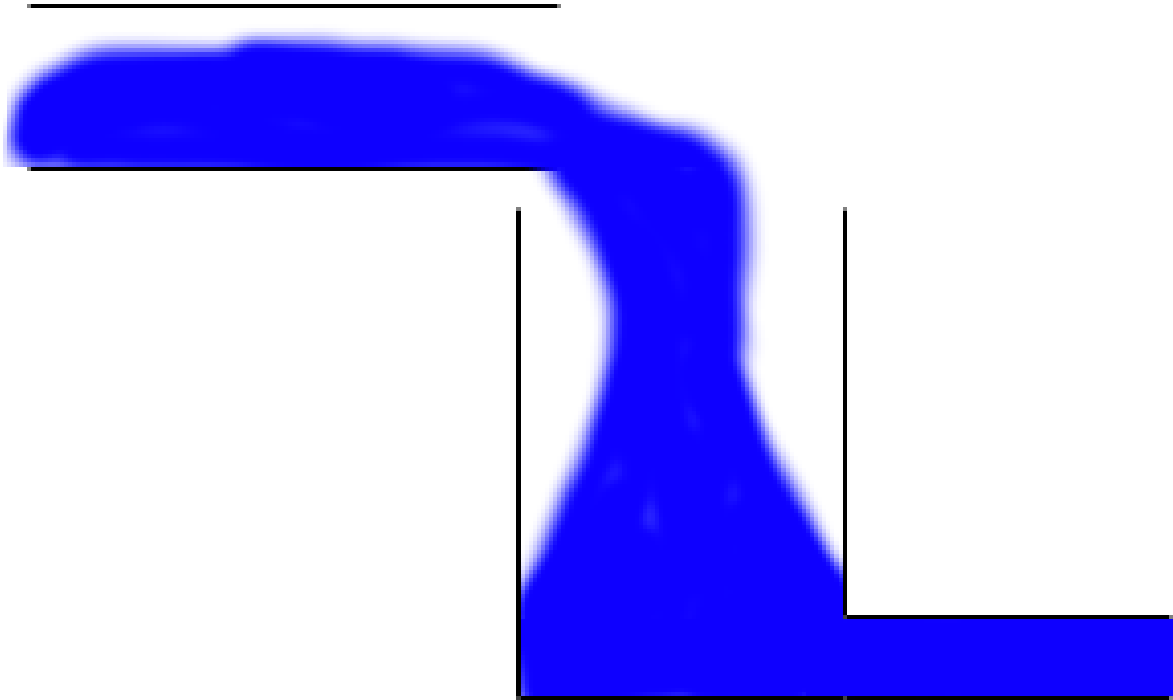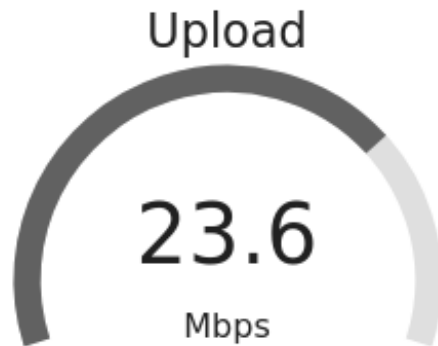# Bufferbloat is the problem !

Bufferbloat is the problem !

Bufferbloat is the problem !

One test to rule them all

Ping
13.0 ms

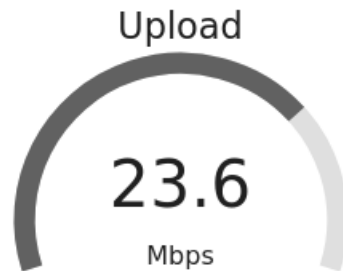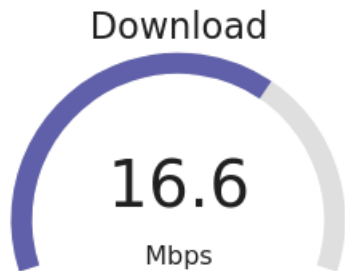Jitter
16.7 ms

Download

16.6

Mbps

Upload

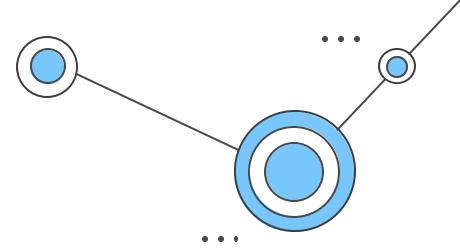23.6

Mbps

One test to rule them all
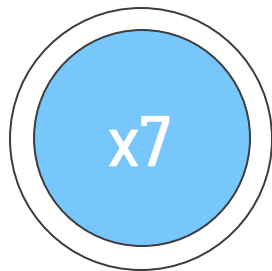
To metrics and beyond!

QUIC have **qlog's** that provide **:**
- Accurate latency
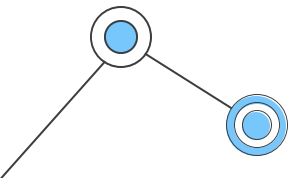- Losses
- Bandwidth
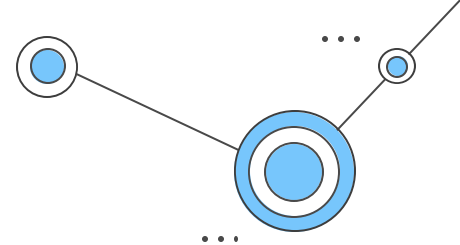- ...

Latency increasing in real world
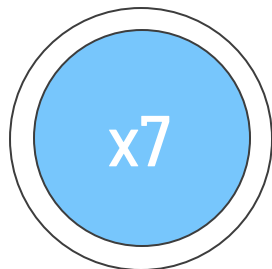
A lot of bufferbloat

x7

Factor of latency increase
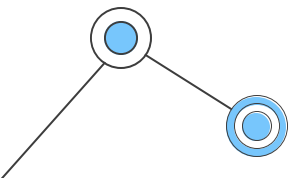for half the people
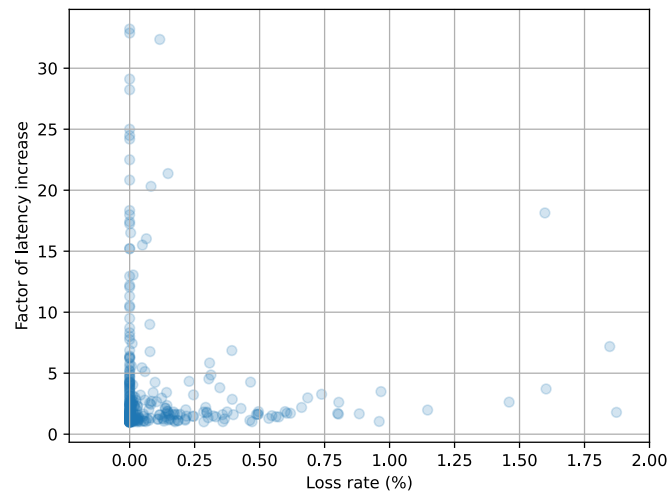
Latency increasing in real world
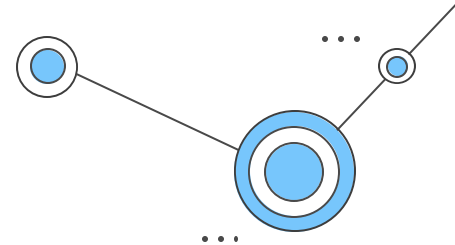
A lot of bufferbloat
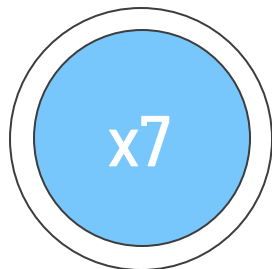

x7

Factor of latency increase
for half the people

Packet loss is not the cause

Latency increasing in real world

A lot of bufferbloat

x7
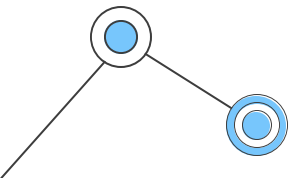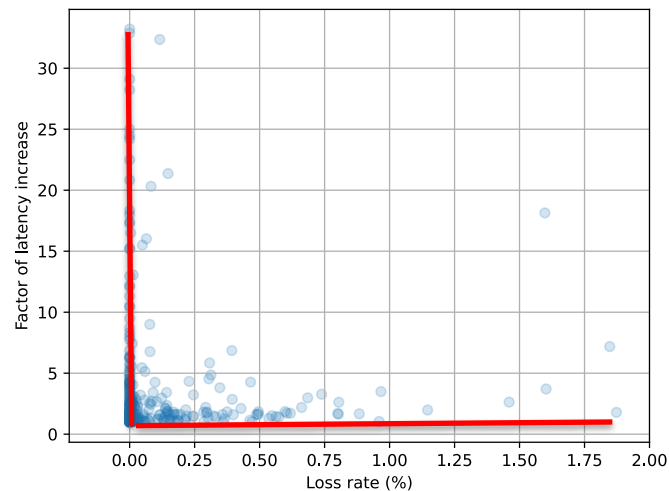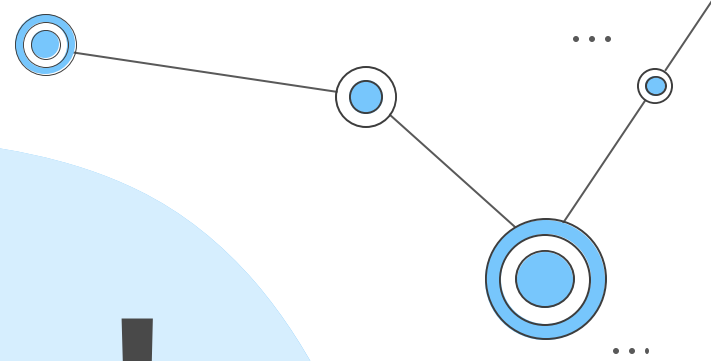
Factor of latency increase
for half the people

Packet loss is not the cause

Thanks !

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