## (Video 28: Percent le Tail Latency Explained)

When some sentor engineer says.

My 95% = 30 ms, My 99% = 100 ms, 99.9999 % = 1000 ms.

What do these terms mean?

Lets say a million requests are coming to your application, and you say to your customers.

- 1)-Minimum latency -> 1 ms { Down't mean anything, there could be latency is 1 see.}
- 2) Maximom Latency & 300ms > { Still Day not mean anything.

  What If most of the request are

  299 ms }. -> Usor cannot rely on this.
- 3). Average lateray -> (1000ms) -> [lets say all ar requests were (300-100) ms, but only 2 requests which took 10 se conds, they polluted the whole data?

## (Per centile)

when they say 95th perkentile laking is 30ms.
It means if total 100 requests were sent, then
95 of them were below 30ms.

Basically if you sort the latencies in ascending ander, then {95th one will have a latency < 30ms}

lets say you are boing analysis on 10 requests you have

75 per centile of requests are responding in less than 11 ms.

99-99 percentile & requisis are responding in less than 120 mg