

Local host:

- Has the lowest values among all RTTs
- Every value is equal to 0, which can be explained because the computer is pinging itself. There is essentially no distance for the request to travel because the pinging is all done locally.

Stonybrook.edu

- Has a minimum value of approximately 1ms, a maximum value of approximately 2.9ms, and an average value of approximately 1.5ms

New Hampshire Root Server

- Has a minimum value of approximately 3ms, a maximum value of approximately 4.3ms, and an average value of approximately 3.9ms

Swedish Root Server

- Has a minimum value of approximately 20.8ms, a maximum value of approximately 21.9ms, and an average value of approximately 21.2ms

Dutch Root Server

- Has a minimum value of approximately 89.7ms, a maximum value of approximately 90.1ms, and an average value of approximately 89.9ms

Japanese Root Server

- Has a minimum value of approximately 74.5ms, a maximum value of approximately 76.6ms, and an average value of approximately 75.1ms

It is expected that localhost has the smallest RTTs and that pinging stonybrook.edu has the second smallest RTTs, since the router is in close proximity compared to the remaining addresses. The set of smallest RTTs belongs to the New Hampshire root server. This is also to be expected since it is the next closest device among the chosen.

The Dutch root server has the largest minimum, maximum, and average RTTs. This is unexpected because the Netherlands is geographically the closest country to New York among the three chosen root servers. It would have been normal to anticipate Japan to have the largest RTT values, and then likely a tossup between Sweden and the Netherlands. A reason for this discrepancy could be that the hardware used at the Dutch root server is not as good quality as the hardware used at the Japanese or Swedish root servers. The US root server in New Hampshire performs the best among the root servers.