TCP Performance: what to measure?

- **Average Performance**
  - Throught (goodput) measured at receiver → FTP;
  - Average end-to-end delay → TELNET.

- **Dynamic Performance**
  - Bottleneck utilization, queue length;
  - TCP source congestion window, sequence number
  - Thoughput/Goodput;
  - Delays, delay jitter.
Assignment #3

- TCP Dynamics

- Sequence number vs. Time at n1;
- Throughput vs. Time at n1 (RateVersusTime in GraphTool);
- Queue length vs. Time at n2;
- Num of dropped packets at n2.
Submission

- Write ns2 script to measure TCP (it is a TCP Tahoe) performance.

- Submissions:
  - Ns2 simulation script;
  - All the required graphs and statistics.

- Due this coming Next Sunday Sept 22 11:55pm
Note

- If you want to work on your own machine, you need to install `ns-allinone-2.1b5(or 7-old)` and `graph tool`.

- Example graph tool code:
  - On your machine’s directory
    ~/ns/ns-allinone-2.1b7/graph_v6.0.4/examples/
    which works with ns-2.1b5 (recommended) or ns-2.1b7-old