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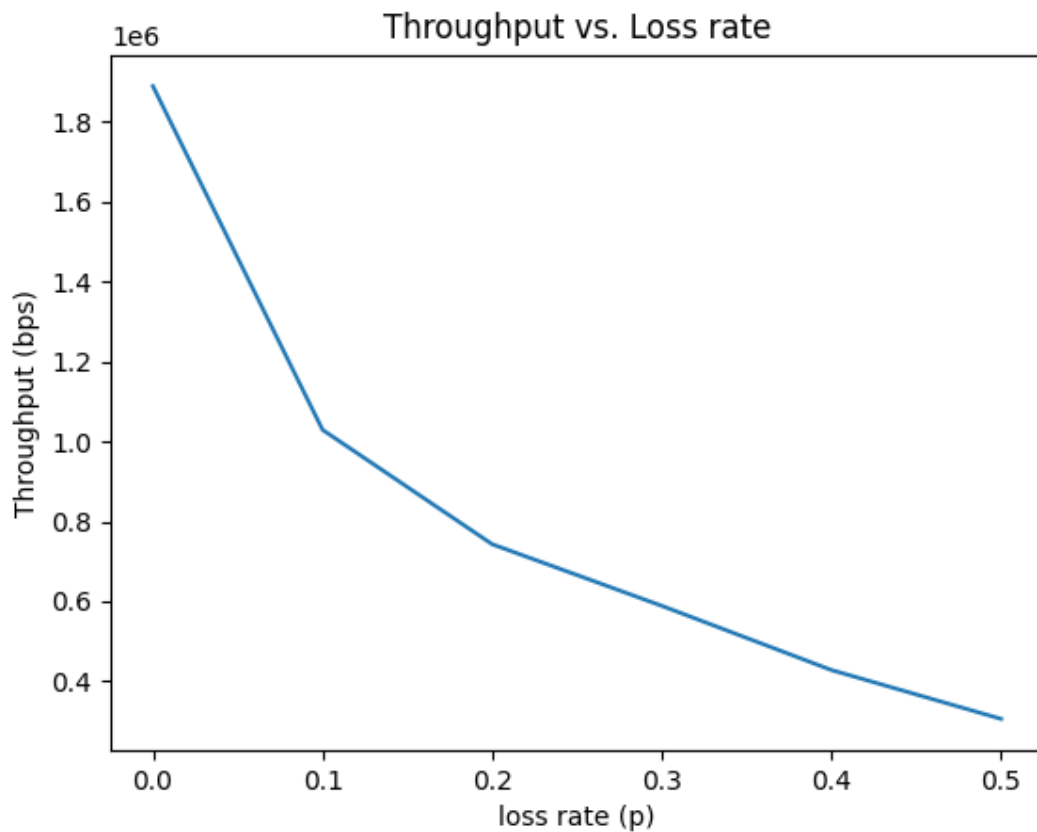
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CS421 - 1

Programming Assignment 2

Using the receiver that given to us and sender that we wrote we run two experiments. In all experiments; max packet delay was 100ms, timeout was 120ms and this 2 are constant through all of the experiments. In both of the experiment s we calculate the throughput in bps.

In first experiment we have a fixed window size which is 20 and we changed the loss rate and check the results in throughput. In the graph below you can see the results for the 6 different loss rate differing from 0 to 0.6. And as you can see in the graph there is a negative correlation between loss rate and throughput. As loss rate increases we need to send same packet more times and since we are sending same file it takes more time. You can see relatively more change between 0 and 0.1 that shows that there is more change between absolute no loss and small loss differences.



In second experiment, we fixed the loss rate to 0.1 and changed the window size and checked the effects in the throughput. As we can see there is a almost linear increase in the throughput. You can see the changes in the throughput for the data points window size 20 to 100 in the graph below.

