Sockets assignment

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1. Relationship between **transfer time** and **packet size** (at constant error probability)

   Transfer time is lower as the packet size increases. This is because more time is taken to service all packets separately.
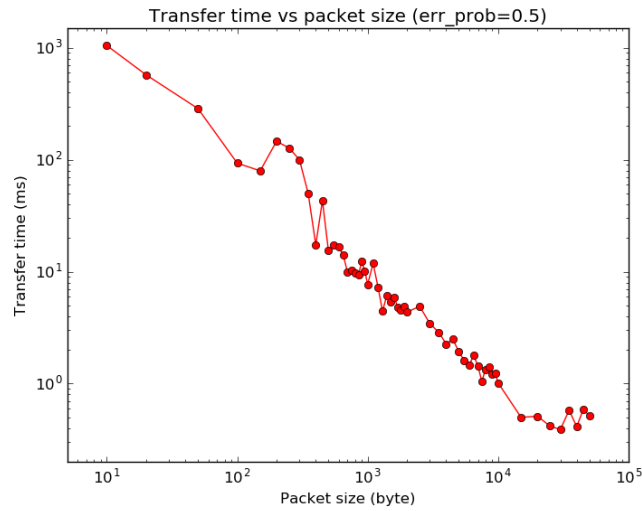

Figure 0.1: Transfer time vs packet size at error probability=50%

2. Relationship between **throughput** and **packet size** (at constant error probability)

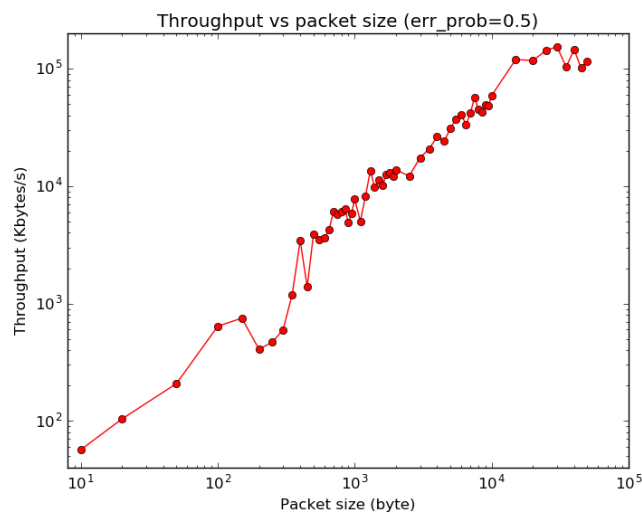   Throughput is higher as the packet size increases. This because the transfer time decreases.

Figure 0.2: Throughput vs packet size at error probability=50%

3. Relationship between **transfer time** and **error probability** (at constant packet size)

The transfer time increases as the error probability increases. This is because we need to complete more transfers in total.
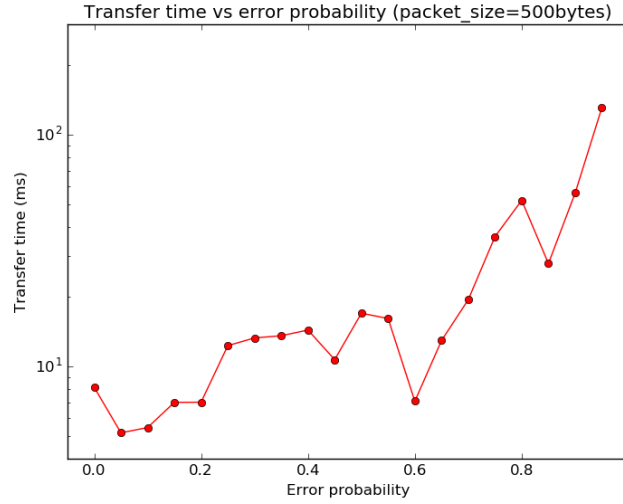

Figure 0.3: Transfer time vs error probability at packet size = 500 bytes

4. Relationship between **throughput** and **error probability** (at constant packet size)

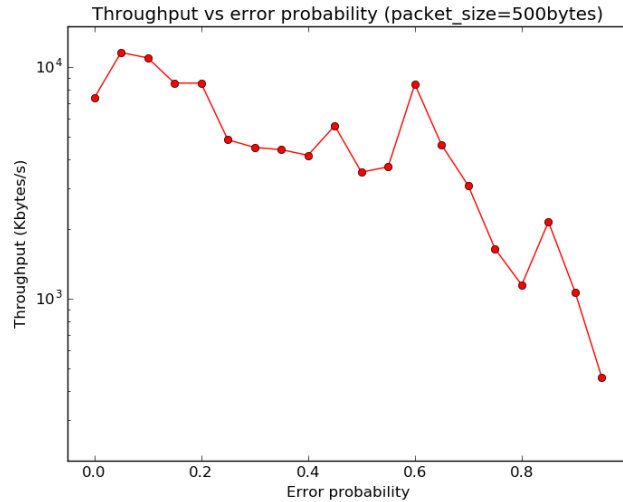The throughput decreases as the error probability increases. This is because the transfer time increases.

Figure 0.4: Throughput vs error probability at packet size = 500 bytes