Author: Punit Patel
UCID: 30064251

Part 2 :

1. Average **size** of data packet : 3993 (bytes)

   Average size was calculated by adding frame.len of all packages and then divided by total number of packages.

2. Average **throughput** of received traffic : 2772449.177796165 (bytes/sec)

   Packages were filtered where destination IP address was internal ip address of the Virtual Machine. Following that frame.len of those packages and divided it by the difference of frame.time_epoch of the first and last received packages.

3.

   Receiver TCP ports

Port Number	%traffic
43382	93.42959052646597%
55802	4.069658279301497%
50954	1.7844604960973338%

For receiver traffic,
First all unique TCP destination port numbers were filtered then individual traffic for that port numbers were added. Now the array of these traffic values was sorted and the top 3 receiver ports were captured. Then % traffic for these three ports was calculated by dividing the traffic through that port by total receiver traffic and then multiplied by 100 .

Sender TCP ports

Port Number	%traffic
80	93.43256966736921%
443	5.854450535746884%
43382	0.6603166954122487%

For sender traffic,
First all unique TCP sender port numbers were filtered then individual traffic for that port numbers were added. Now the array of these traffic values was sorted and the top 3 receiver ports were captured. Then % traffic for these three ports was calculated by dividing the traffic through that port by total sender traffic and then multiplied by 100 .