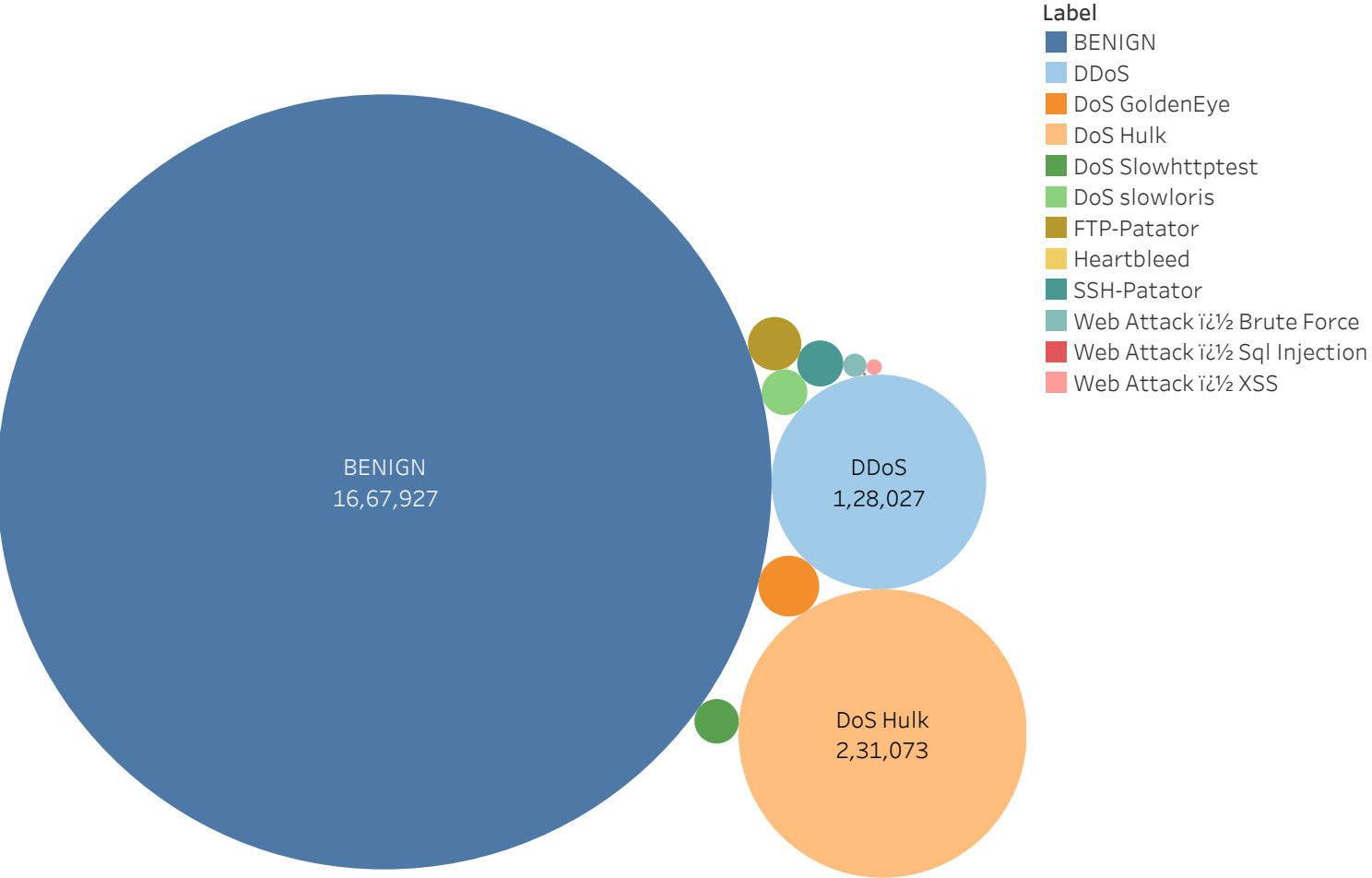


Types of Attack

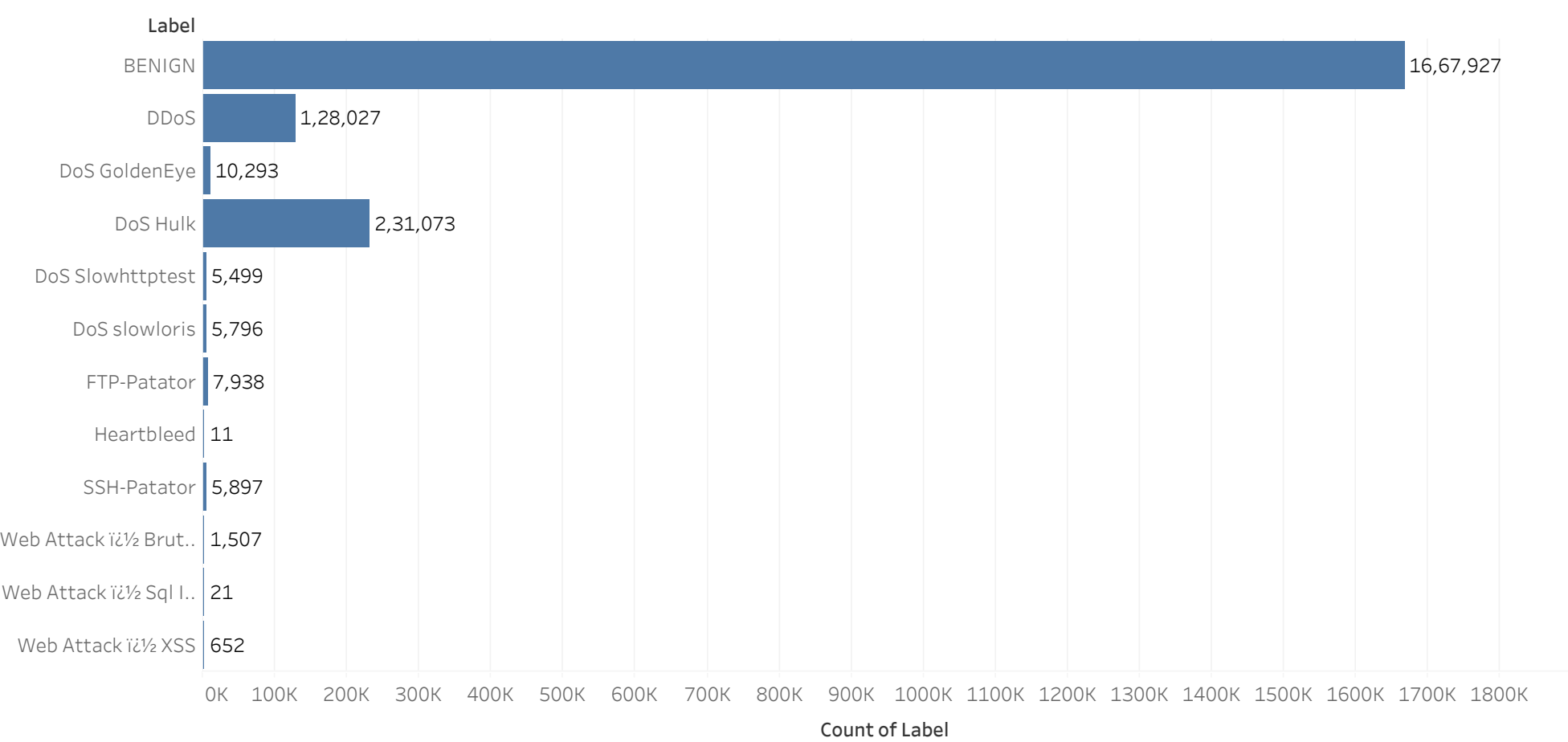


Types of Attack:

1. Color shows details about Label. Size shows count of Label.

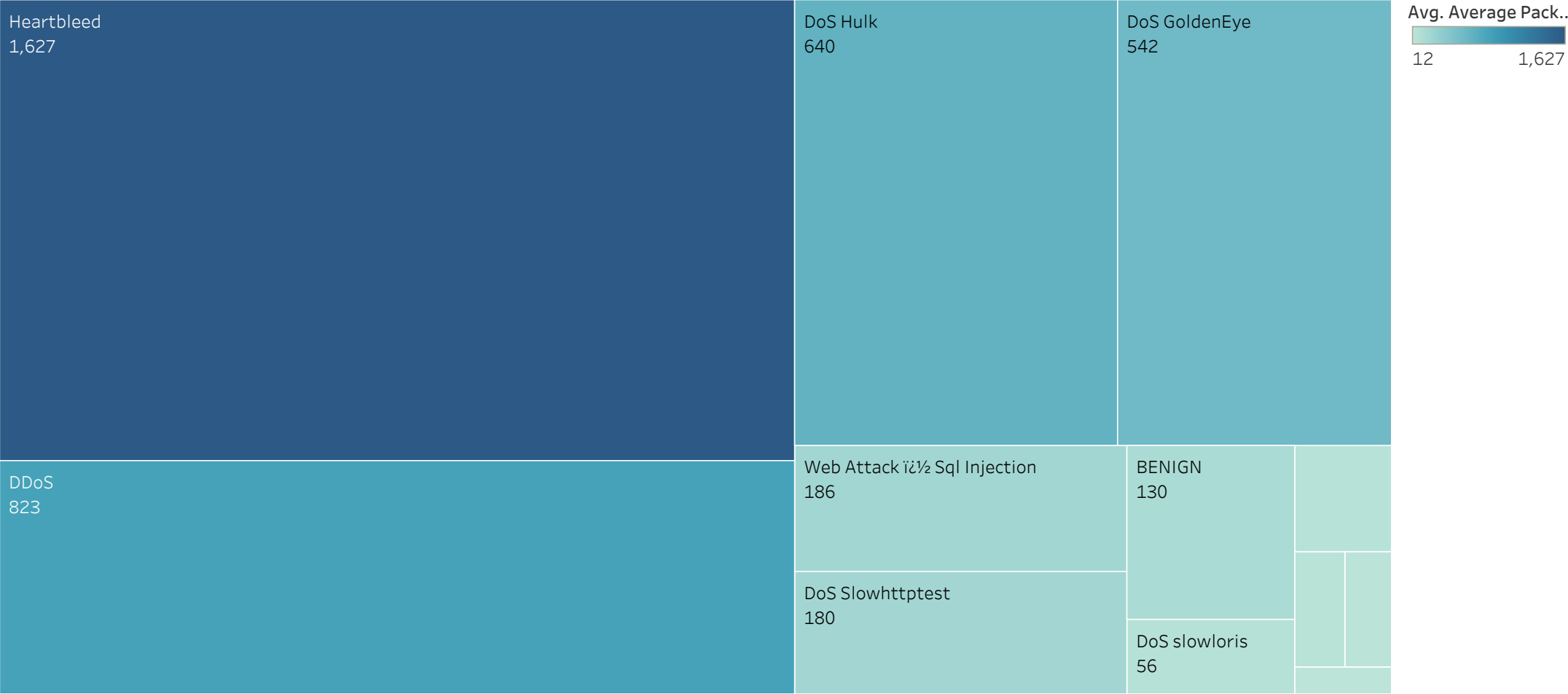
2. These are the 12 Types of Attacks occurred everyday from Monday to Friday: BENIGN, DDos, DoS GoldenEye, DosHulk, DoS Slowhttpptest, DoS slowloris, FTP-Patator, Heartbleed, SSH-Patator, Web Attack Brute Force, Web Attack SQL Injection, Web Attack XSS.

Attack Type Frequency



- Attack Type Frequency:
- 1. From the above chart, we can see that the frequency of Benign attacks is more as compared to others i.e. 16,67,927.
 - 2. The frequency of the Heartbleed attack and Web Attack SQL Injection are the lowest i.e. 11 and 21 respectively.

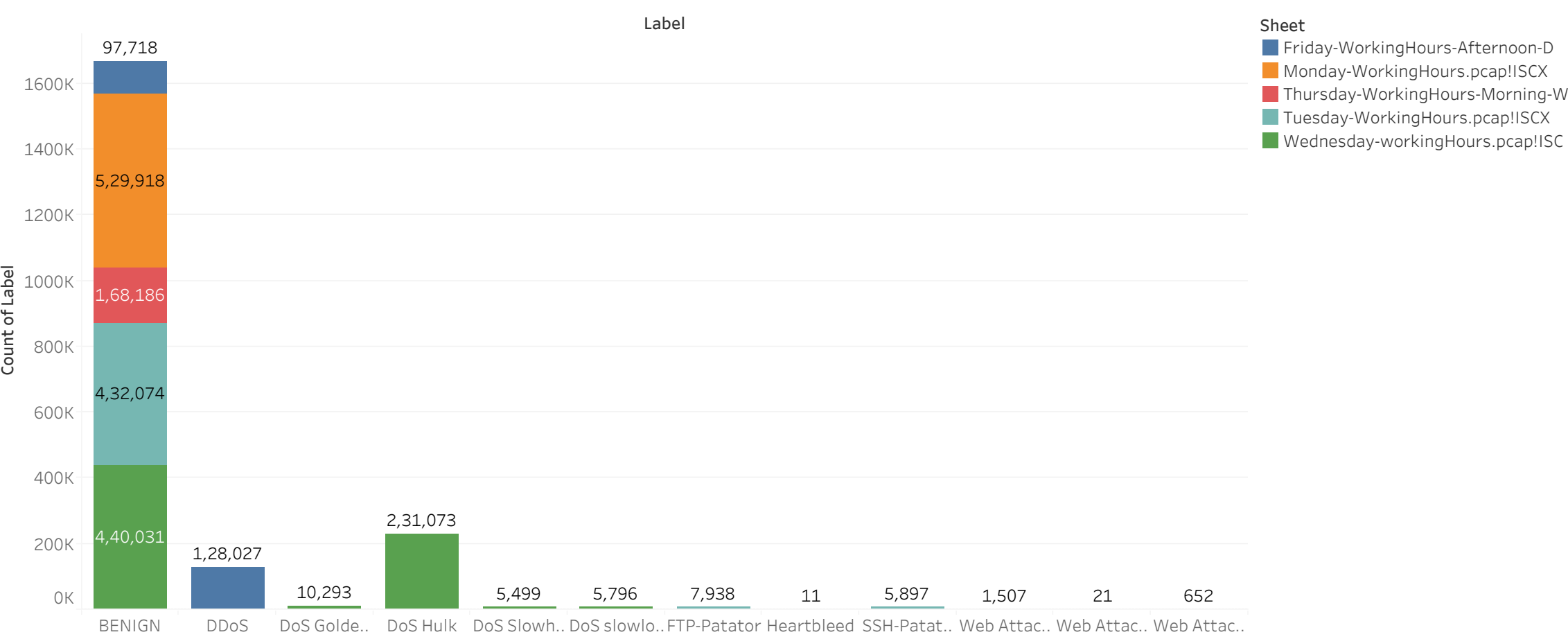
Average Packet size



Average Packet Size:

1. Color shows average of Average Packet Size. Size shows average of Average Packet Size.
2. The marks are labeled by Label and average of Average Packet Size. Highest Average packet size is for the Heartbleed Attack i.e. 1,627 and the Least Packet size is 12 for the FTP-Patator Attack.

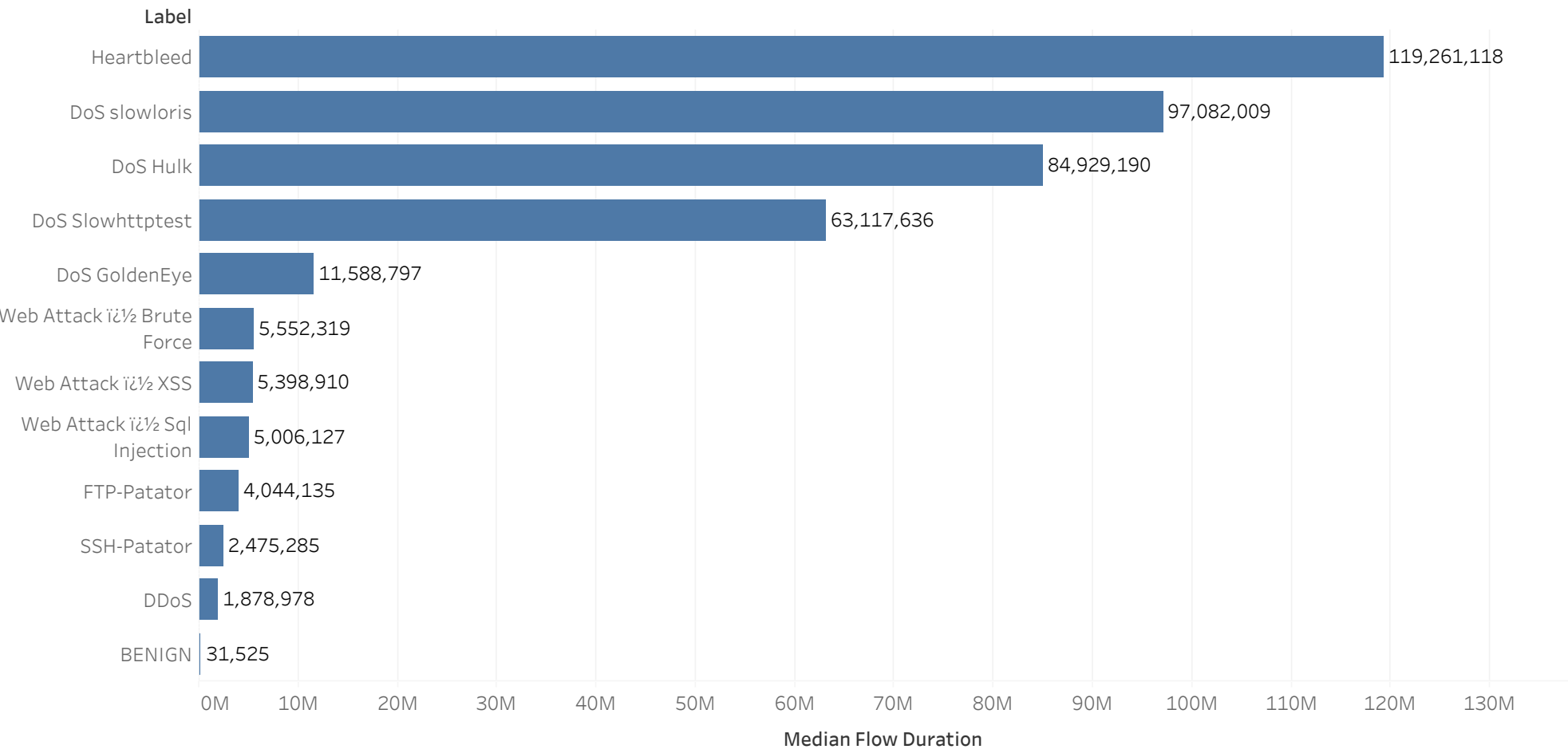
Attack Distribution Over the week



Attack Distribution Over the Week:

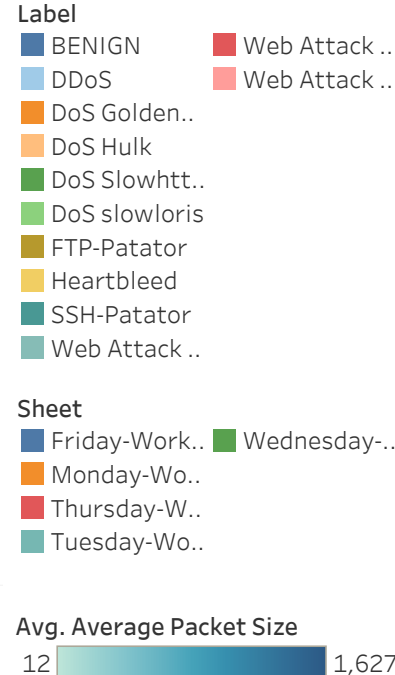
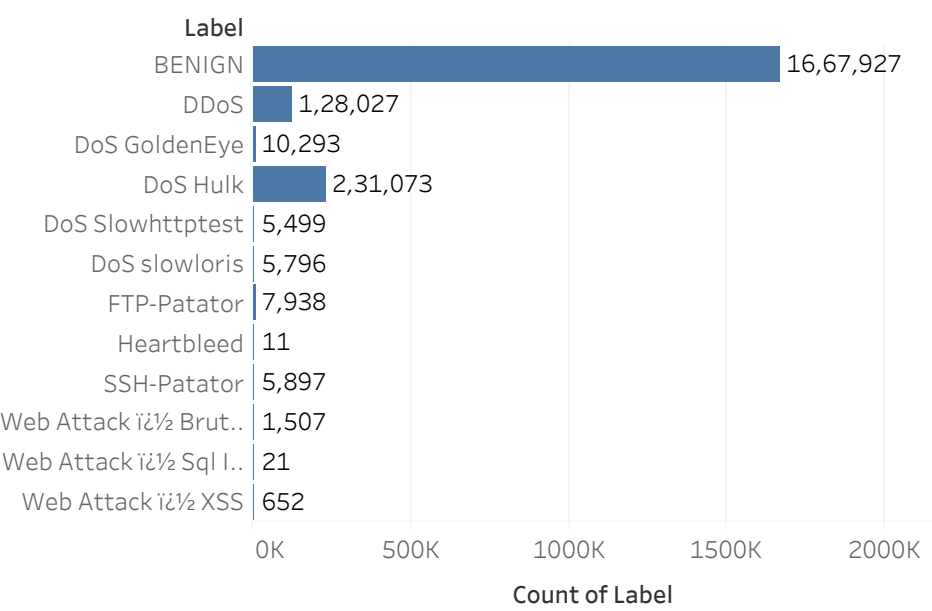
- 1. The above chart shows the Count of attacks made from Monday to Friday.
- 2. It is clearly seen that Benign attacks has occurred predominantly. As per the graphical representation, the most number of total attacks have occurred on Wednesday. i.e the highest being the Benign with 4,40,031, DoS GoldenEye - 10,293, DoS Hulk - 2,31,073, DoS Slowhttp - 5,499, DoS Slowloris - 5,796 and the lowest is Heartbleed with 11.
- 3. Also it can be seen that the least number of total attacks are made on Thursday, where the highest is Benign with 1,68,186 and the lowest is Web attack SQL injection with 21.

Average Flow Duration Per Attack

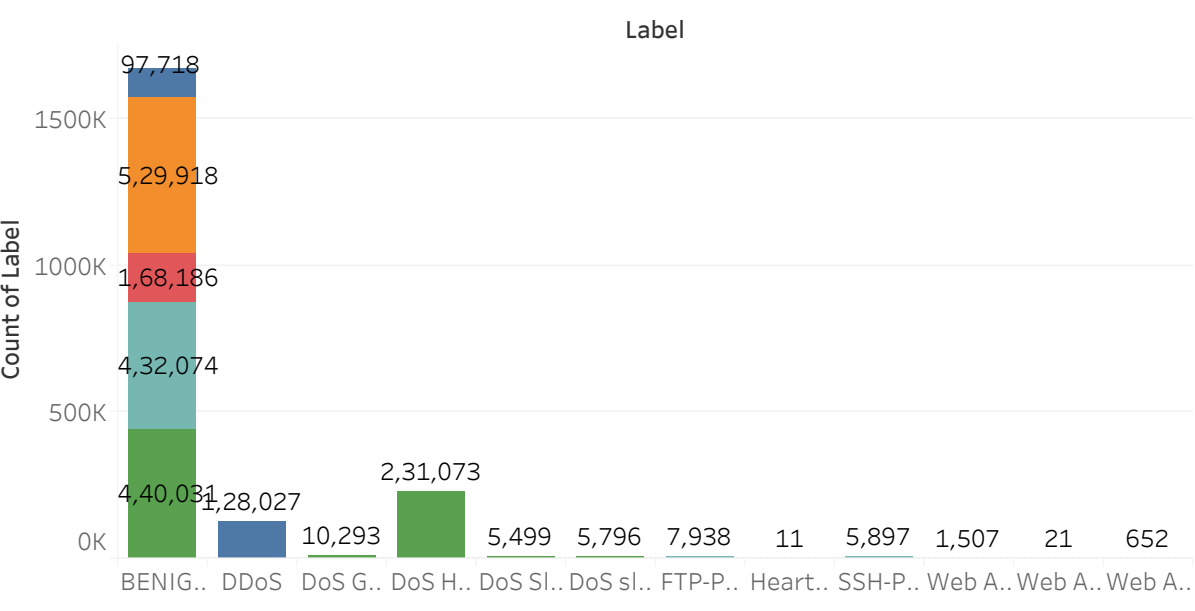


- Average Flow Duration Per Attack:
- 1.The marks are labeled by median of Flow Duration. The above is the visualization of the business aspect by analyzing the flow of duration per attack with the packet.
 2. During the Heartbleed attack it can be seen that the packet length and size and the flow duration is the highest with 119,261,118

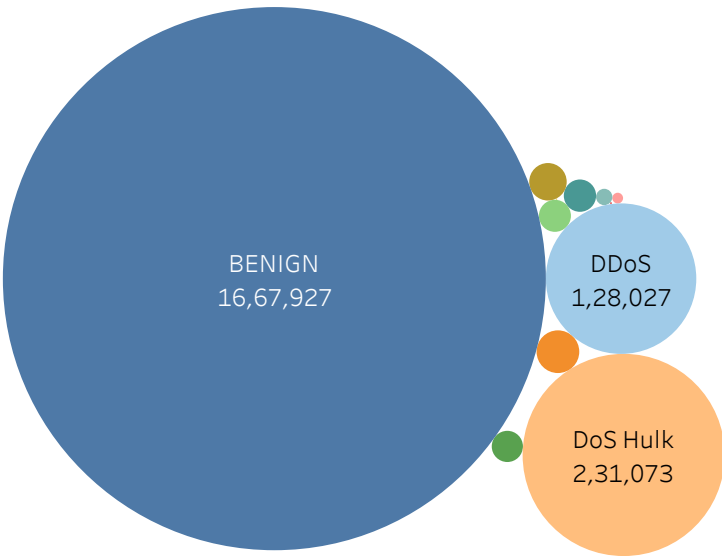
Attack Type Frequency



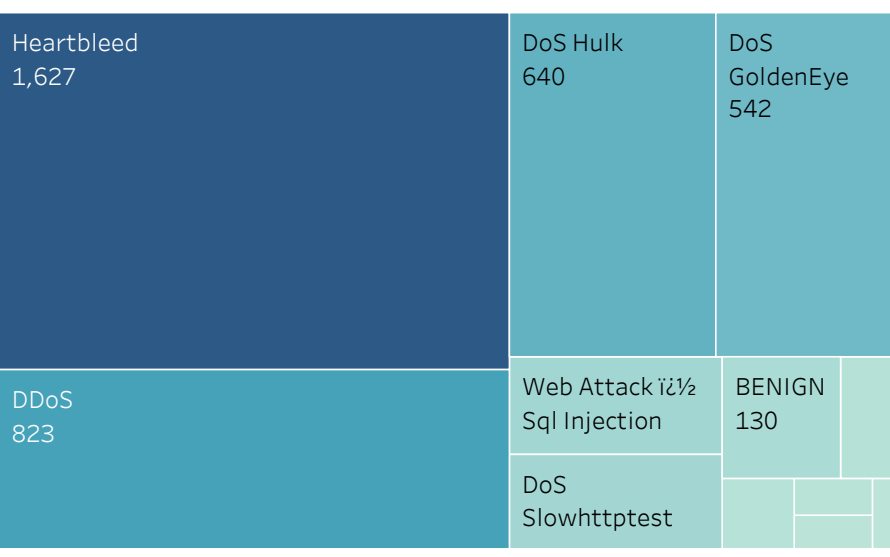
Attack Distribution Over the week



Types of Attack



Average Packet size



Average Flow Duration Per Attack

