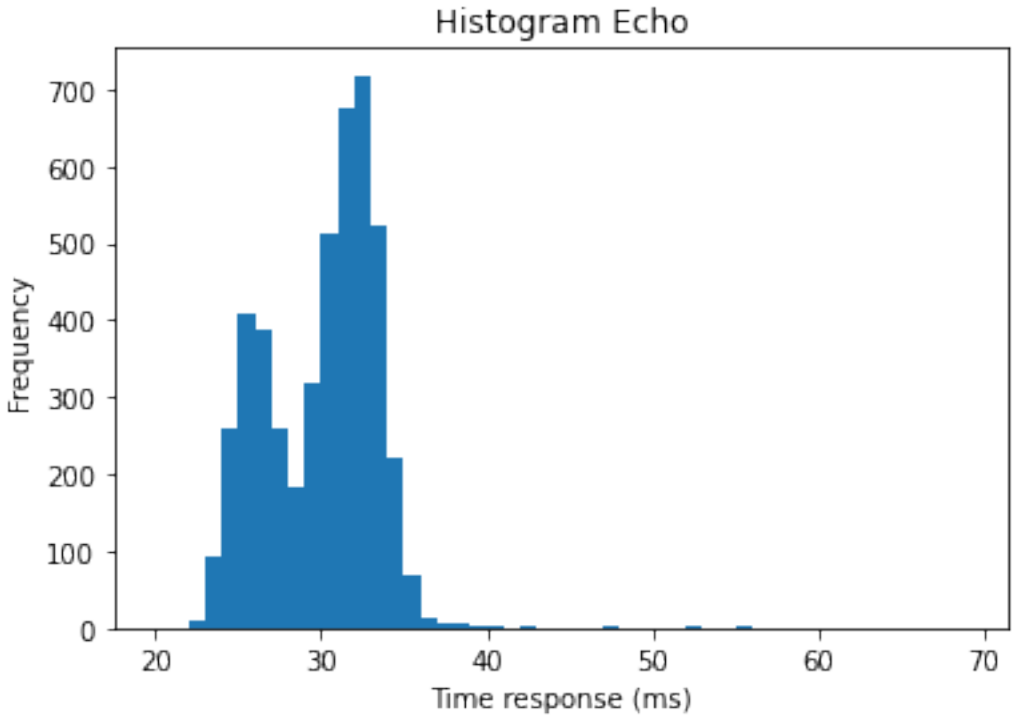
# plot

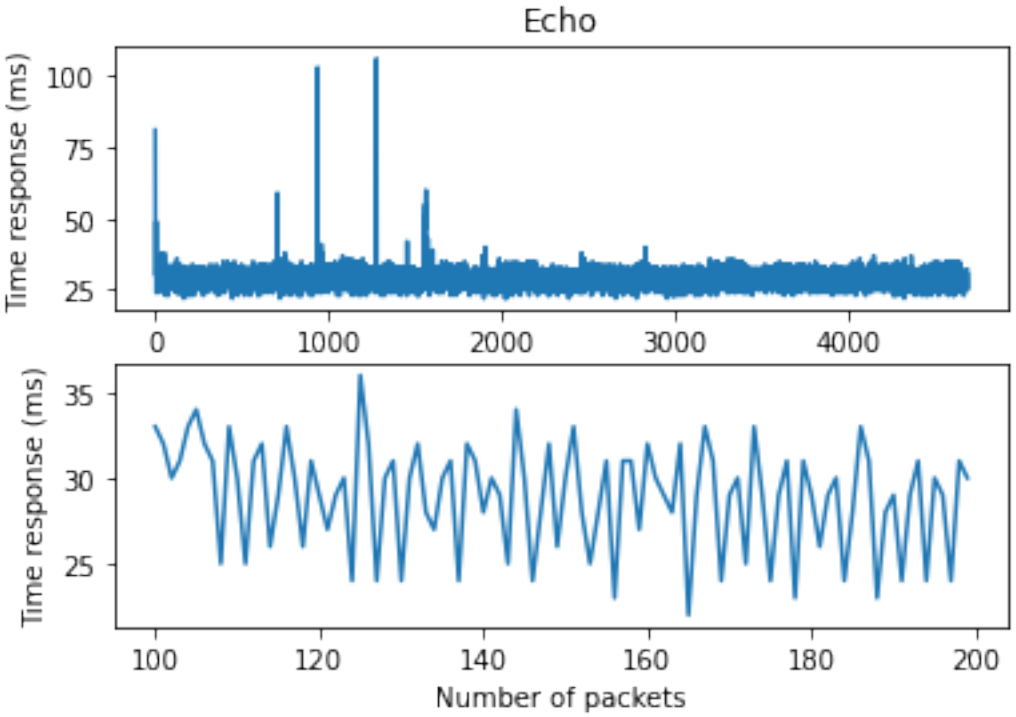
April 15, 2021

[1]:
```
import seaborn as sns
import matplotlib.pyplot as plt
import scipy
import numpy as np
import csv
import pandas as pd
```

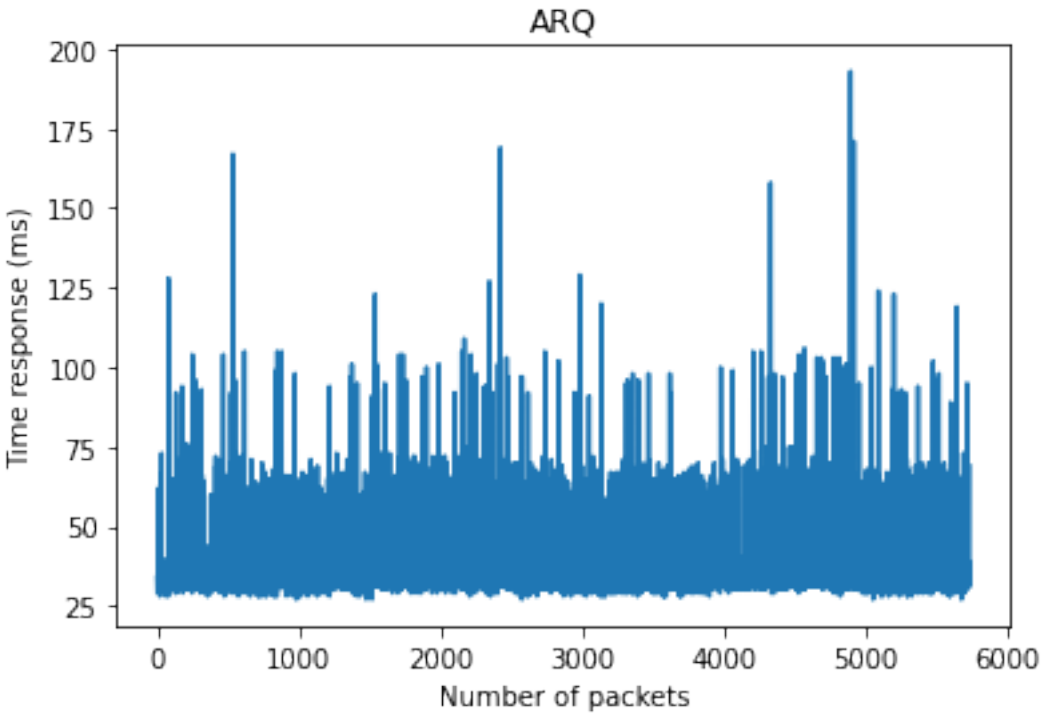
[25]:
```
echo = np.genfromtxt("../logs/session2/echo.txt")
bins = range(20,70,1)
plt.hist(echo, bins)
plt.title("Histogram Echo")
plt.xlabel("Time response (ms)")
plt.ylabel("Frequency")
plt.savefig("../logs/session2/hist_echo.png")
```



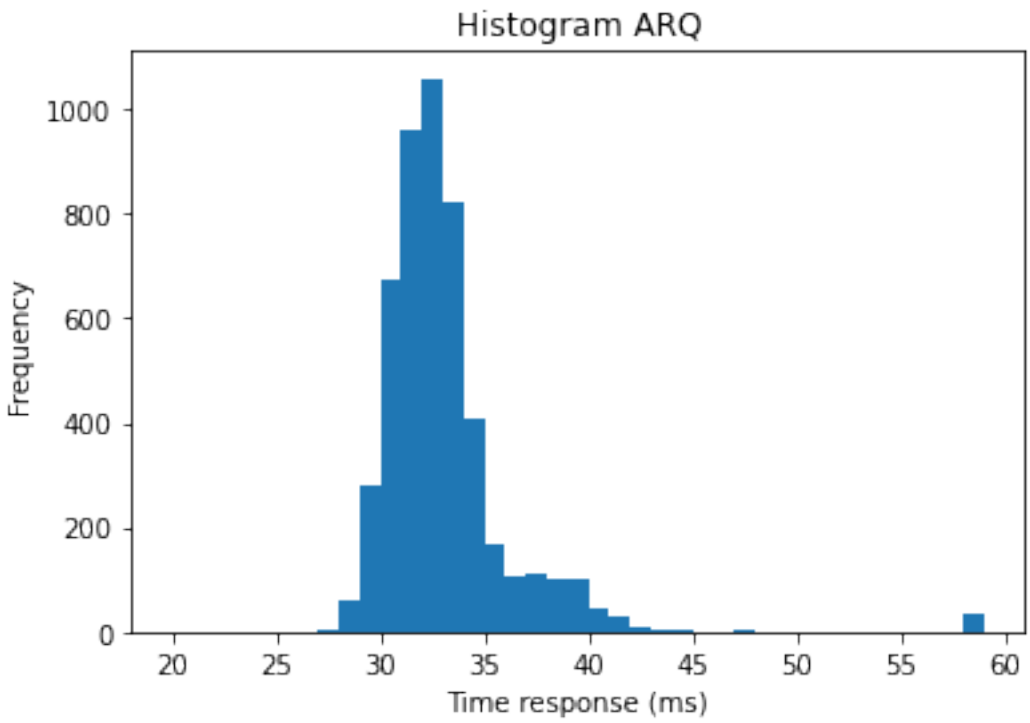
[3]:
```
echo = np.genfromtxt("../logs/session2/echo.txt")
echoRange = range(0, len(echo))
plt.subplot(211)
plt.plot(echoRange, echo)
plt.title("Echo")
plt.xlabel("Number of packets")
plt.ylabel("Time response (ms)")

plt.subplot(212)
shortRange = range(100, 200)
plt.plot(shortRange, echo[shortRange])
plt.xlabel("Number of packets")
plt.ylabel("Time response (ms)")
plt.savefig("../logs/session2/echo.png")
```




[4]:
```
arq = np.genfromtxt("../logs/session2/arq.txt")
arqRange = range(0, len(arq))
plt.plot(arqRange, arq)
plt.title("ARQ")
plt.xlabel("Number of packets")
plt.ylabel("Time response (ms)")
plt.savefig("../logs/session2/arq.png")
```




[22]:
```
arq = np.genfromtxt("../logs/session2/arq.txt")
bins = range(20, 60, 1)
plt.hist(arq, bins)
plt.title("Histogram ARQ")
plt.xlabel("Time response (ms)")
plt.ylabel("Frequency")
plt.savefig("../logs/session2/hist_arq.png")
```


Histogram ARQ
Frequency
1000
800
600
400
200
0
20
25
30
35
40
45
50
55
60
Time response (ms)