

Analysis of Results

Generally, the time it took to resolve the query for my DNS resolver took a lot longer than the time for the local and public DNS resolvers as seen from the boxplots. For every website, the 25th, median, and 75th percentiles were greater than the same values for the local and public DNS servers, with values hovering between 0.3 seconds to almost 2 seconds. Between the local DNS server and the public DNS servers, the query times were generally in the same ballpark with the 75th percentiles of the public DNS slightly greater than the 75th percentiles of the local DNS server for 9/10 websites, the exception being facebook.com. The query times for these two DNS servers were all under 0.2 seconds, with most of the values being under 0.1 seconds.