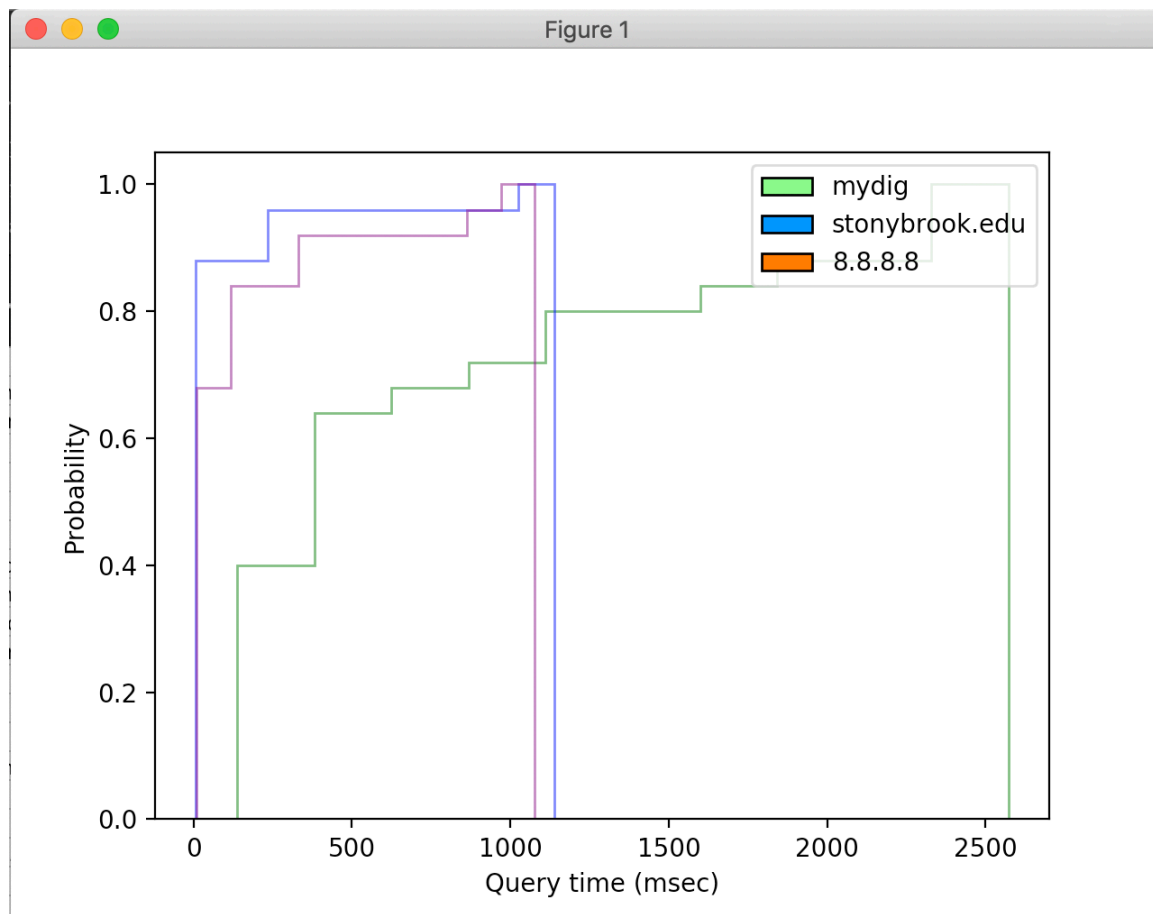


Below is the CDF of my three experiments:



The stonybrook.edu is the fastest resolver from this graph, roughly over 60% of domains get resolved in under 100ms, Google's public resolver (8.8.8.8) is a little slower than the local resolver but the difference is not significant. Well, mydig is a lot slower than both of these two and based on my knowledge this could due to the DNS caching has been implemented inside of these two public resolvers for the most popular websites, so when we ask these two resolvers the IP address of a domain, it does not have to go through all these iterations in mydig ('.' -> 'com' -> 'google.com' for example), instead it will directly return the result which has been cached, which makes such a huge difference in performance.