

**Programming Assignment 1: All about DNS**  
**CSE 310, Spring 2022**  
**David Park**  
**109582425**

**Part B.**

All tools were tested 10 times each on 10 websites according to the assignment guidelines.

Mydig expected as performed and response time scaled with the distance of the country of origin. The response time was consistent but mydig did perform considerably worse than the ISP's resolver and Google DNS.

Dig on the default DNS resolver performed exceptionally well on response time excluding a handful of outliers presumably due to distance.

Google DNS performed similarly to the default DNS albeit with slightly larger response times but overall more consistently.

Mydig performs expectedly worse than the other DNS resolvers due to lack of caching and lack of optimal routing to the nearest servers. The ISP resolver also outperforms the Google DNS presumably because of routing as well.

