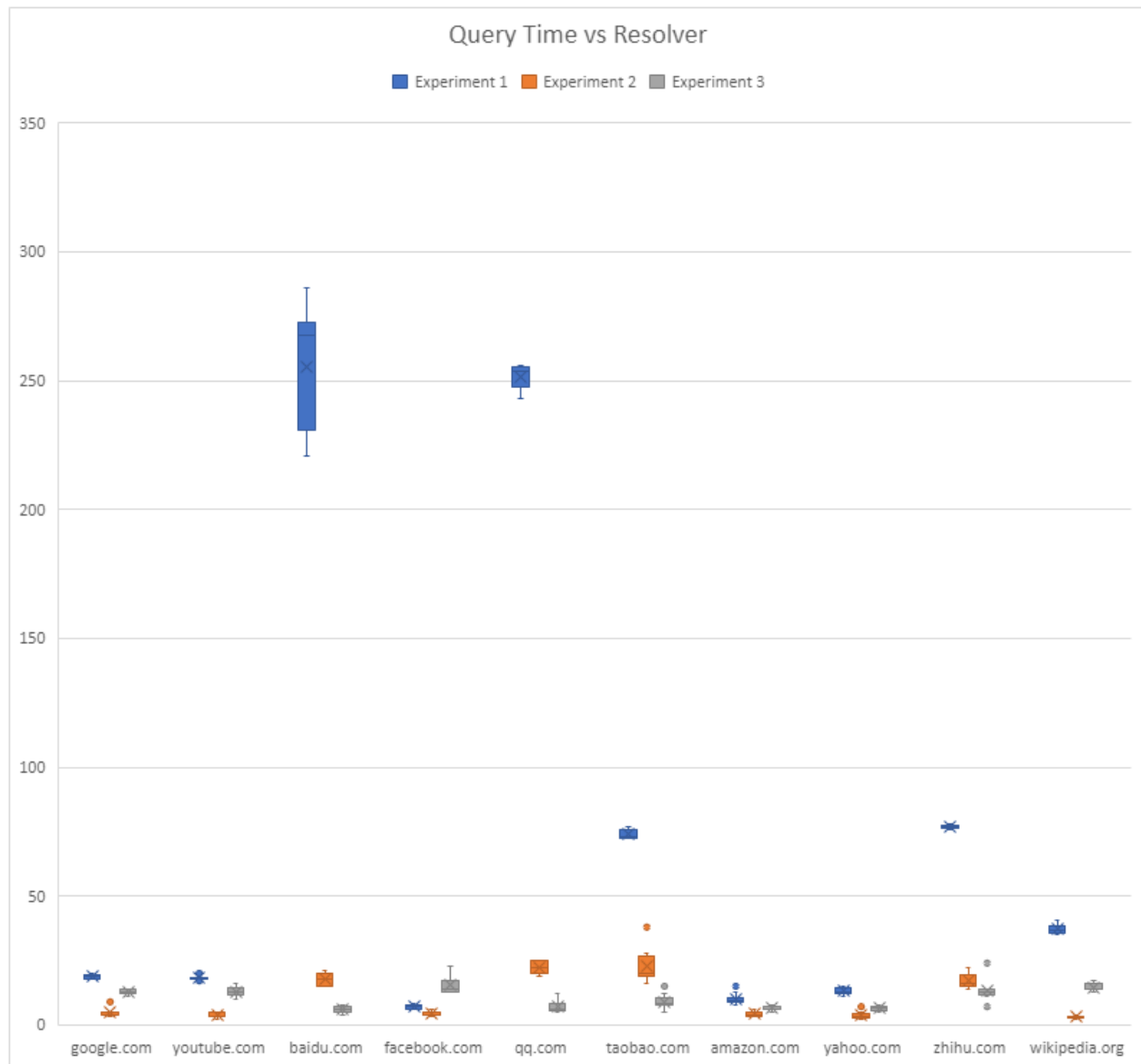I ran experiments 1, 2, and 3 by running my code, using dig (website), and using dig @8.8.8.8 (website) respectively.

DATA SHEET:
https://docs.google.com/spreadsheets/d/1zF9qYA8uX4MVgXkWKJTyIWIujMttSFiiPTnmtYNgNjo/edit#gid=0

We can see that in general, our own scripts are generally slower than the dig tool, which is slightly slower(but still faster than our scripts) when using Google's public DNS compared to a local DNS resolver.

The results are drastically different because the dig tool is far more optimized and we are running a potentially unoptimized library in Python. A lot of the inconsistent results can also arise from the network which may fluctuate depending on many outside factors.