Questionnaire

1. Can you tell us about the biggest project on network data analysis you were involved in? Which tools did you use?
2. What software development experience do you have and what languages are you more familiar with? If you have a github or code sample please send it.
3. Can you tell us about the networking-related publication that you wrote which had the most citations/views?
4. What networking-related projects are you following?
5. Based on what you know about us, what would you find most interesting about working at a company like ThousandEyes?

Network Data Scientist Challenge (Part 1: coding)
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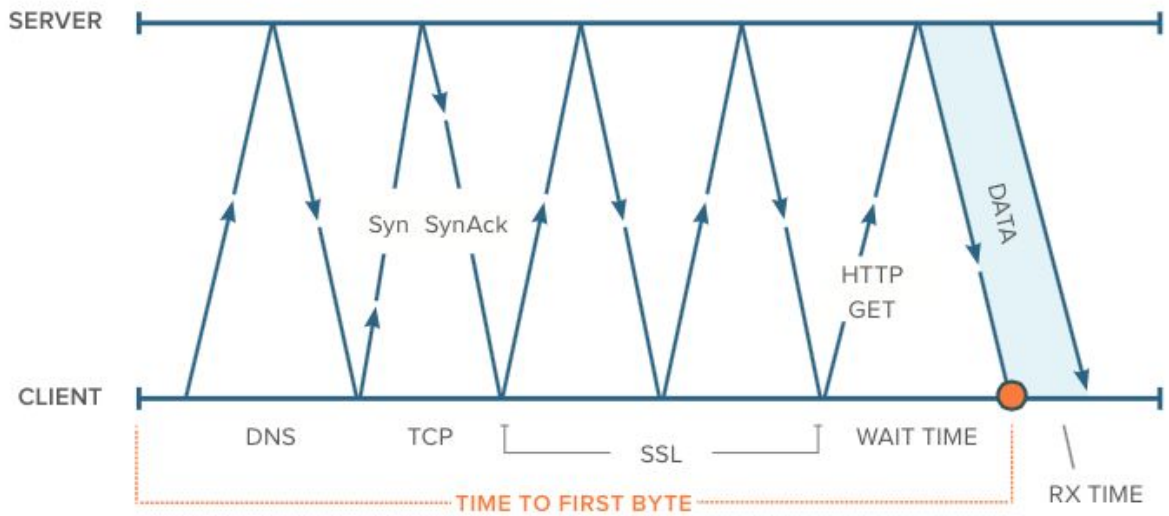
Write a Python program (OSX or Linux preferred) that queries to the top 500 Alexa domains/sites:
http://www.alexa.com/topsites
http://s3.amazonaws.com/alexa-static/top-1m.csv.zip

1. CDN analysis

+ Filter the domains served by a CDN (e.g., Akamai)
+ Rank CDN providers by number of sites
+ Calculate the average response time for the index page of each site (aka Time To First Byte) per CDN provider, and rank them by speed (separate DNS resolution, TCP connection, SSL negotiation and receive time ideally); see Figure below for the breakdown:



Open question: what insights can you get from this data?

2. BGP analysis

+ Determine the ASN that each of the 500 sites maps to (based on hosting IP address)
+ Rank ASNs by number of sites

Open question: what insights can you get from this data?
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Network Data Scientist Challenge (Part 2: product analysis)
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1. Look at some of our blog articles (https://blog.thousandeyes.com/) and perhaps pick the 2-3 you like the most and why

2. Signup for our product at https://www.thousandeyes.com/signup and provide some quick feedback about things you liked about it and things you think can be improved on the product (i suggest you try to install an enterprise agent)