Lesson 13

Students are expected to share their experiences or use resources like books/posts/videos.

It was not long ago that I used data analysis in the work setting. At my current job, I have been maintaining our backend infrastructure. Particularly our restful Api responses.

With the addition of more websites to our infrastructure, it has become noticeable to see the impact on the servers. The response times started to increase as server load was getting heavier, consequently website loading times increased.

I downloaded the last 50,000 queries from our work servers and generated it all into a single csv. I then used pandas to do some data manipulation to then help count which Api endpoints were hit the most.

I was then able to use this data and concluded that several of these Api requests can be amalgamated into just one Api request. Knowing this data analysis has significantly increased website performance and reduced server load for our company. I can for sure verify that my boss is happy.