



Machine Learning Assignment

Storyline

In a parallel universe, Amanda embarks on a journey to find a team of highly skilled software engineers for her startup.

Mr. Robot and Silicon Valley were two of Amanda's favorite television series. But in this universe, Elliot Alderson works for the government, and Richard Hendricks does not destroy Pied Piper in the end. A world where a few lines of code could solve problems or create menace. She was intrigued when she got a chance to enroll in her first programming class. Unlike some other girls from her class, she was convinced that this was the path she wanted to take. During college, she completed multiple internships in Machine Learning, enhancing her skills and expertise. After her college, with a mission to build custom software for their clients, she started Amanda Coding LLC. She wants to build a team of highly skilled software engineers. For this, she wants to find teammates who meet all the technical skills as per the job requirement.

Problem Statement

While researching, she found a raw dataset of over 30k datapoints (**Raw_Skills_Dataset.csv**) which contain technical skills and a lot of jargon mixed in.

Can you help her develop a code that can clean this dataset and extract Technical (Hard) skills?

Know a bit more

What does technical skill mean? Technical skills are demonstrable and quantifiable skills. They can be tested to prove their capacity in each hard skill an individual possesses.

Sounded like blah, blah? We know, because it's much more difficult to explain this theoretically so how about we show what it means. We have attached some 900 random examples of technical skills (**Example_Technical_Skills.csv**), go through them to understand the pattern and sequence.



What do we need from you?

A couple of things, please:

- GitHub link for the Code you have written.
- A step-by-step document or presentation to describe your approach.

If you have a life, ignore this.

This is going to be difficult but if you can develop a code to bifurcate soft skills and technical skills, you are a legend. This is just a bonus, so ignore this if you want some peace of mind.