

Assignment 5

Question:

You may often see some people use an extra step called pre-train prior to actual training of the model. Submit a report about what the pre-train in CNN is and why we do it.

Answer:

While learning about machine learning models, we come across large datasets which would take a millennium for training and deployment. In the world, we would have similar models but with different data. Time becomes an important factor, that's where we have a solution called pre-trained models. Multiple developers commit to training a model and making the training module available for everyone to use. This cuts the development time by a huge factor.

Some of the examples of pre-trained models are LeNet-5, AlexNet and GoogLeNet

Sources:

1. <https://thecleverprogrammer.com/2021/03/27/what-are-pre-trained-models/>
2. <https://towardsdatascience.com/how-do-pretrained-models-work-11fe2f64eaa2>