# Machine Learning ASSIGNMENT #01

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## 1. How and where is Facebook using ML to improve user experience?

Ans. Facebook uses Machine Learning in multiple ways, a few are stated below:

a. In the "people you may know" section, Facebook shows people with whom we are familiar with in real life by using ML
b. Facial recognition in photos, allows fb to recognize your friends. This is done by ML which analyses the pixels of the face in the image and creates a template which is a string of numbers and is unique for every face.
c. Advertising which is specific for every user shows up on Facebook. This is done by using deep neural networks.

## 2. How do you think can deep learning change the world and do wonders?

Ans. We are living in the era of deep learning, where deep neural networks are better at seeing and recognizing photos than humans. Deep learning algorithms have proved themselves by winning difficult games of chess over humans. This shows that deep learning once strong enough, will be capable of performing tasks in a much more efficient way than their programmers, the humans and a significant amount of time performing strenuous tasks will be reduced with the help of deep learning.

## 3. What is your dream AI project that can become a reality and be of commercial value?

Ans. My dream AI project is an Artificially Intelligent Psychiatrist. With the increase in mental health issues, and very few mental health specialists, an AI Psychiatrist would be of revolutionary assistance. This project would be able to listen to the symptoms of the patient and with the help of its database, would be able to accurately diagnose the patient with the correct mental disorder. It will be able to determine if the patient does not have any mental disorder and is only mentally disturbed therefore he/she only requires a therapist and does not need to be put on medication.