

ASSIGNMENT 1

1. How and where is facebook using Machine Learning to improve user experience? (2.5 marks)

Facebook is using machine learning to improve our experience in many ways by processing our data and predicting it for us for a better usage, like suggesting us new friends by either location, its own whatsapp app contacts or friends of friends. It can give us the recommended content based on our previous likes for eg: a page or video, or based on our web browser history. It is also showing us activity of our close friends that are frequently contacted and it is using facial recognition to help us tag our friends, as well as provides language translation depending on our selected language. Facebook engineers are working constantly to improve user experience and solve problems making our news feed better.

2. How do you think deep learning can change the world and do wonders? (2.5 marks)

Deep learning is the fastest growing field of machine learning and it is based on the process of the human brain, like the artificial neural network. Through the help of deep learning computers can now process data, analyze, think and produce a solution like a human brain or sometimes better than a human brain. It has the capacity to change the world and make life easier like predictions and complex solutions. For example Google translate provides translation of written text as well as voice recognised text. Speech-to-text is another thing. While Paypal (a money transfer company) is using deep learning to prevent frauds. Online streaming companies like netflix, amazon use deep learning as well to recommend us shows or serials according to our previous choices, as well as many other companies are using deep learning to better user experience. In the coming years deep learning can do wonders as it is already used to perform complex tasks without human intervention.

3. What is your dream AI project that can become into reality and can have a commercial value. Justify your answer. (5 marks)

My dream AI project is to develop a system that can offer immediate medical supplies to remote areas through the help of auto-pilot drone where ambulances as well as air ambulance can be time and money costing, without a need of a drone pilot and can be done by using GPS.