Homework 1 Yuankai Wang

1.

1) Gmail's pre-written replies: When you want to reply an email, it will have a pre-written one for you according to the content of the email.

2) Skype Translator: If you open the option, it can do real-time translation of your voice into six different languages and vice versa.

2. Machine learning is a more general area. Deep learning creates features automatically. Deep learning do not need people to be an expertise. Machine learning uses algorithms to work on data, while deep learning just use the neural network to let it find the way to work on data on its own.

3. When deep learning is applied to more fields, the society may have more serious income inequality. While machine can replace human on some jobs, there won't be enough work. Some people may earn more, but some will lose their jobs.