

Explain machine learning with your own example?

Giving some unfamiliar data to the machine and training it or making it to learn from the data is defined as machine learning.

There are several examples of machine learning in our day to day life. one is google search engine.

- **Google search engine** – Whenever we make a search on google for some sort of information, it shows us the relevant information from the keywords we used in the search query.

Whenever the user receives the search results then he/her will open the the tabs that are seen related to their query. If the user open the first tab from the search results and spends their time in that particular site then, the google marks it as the releavent search for the query or if the user drags down the search results and selects the third or fourth result among them, then the google understands that the search results provided are not much relevant to the user's query and tries to improve it. This is how google search engine

learn from the data and works on it.

The another example of machine learning is social media recommendations.

- **Social media recommendations** – The friend recommendations we see in our social media accounts are suggested using machine learning. For example, Facebook. Facebook collects our data like posts and location the user is in and the friends they are connecting with and develop a report in the backend and matches it with other people representing the same and suggests them as they might know. This is how machine learning works to connect more people on social media.