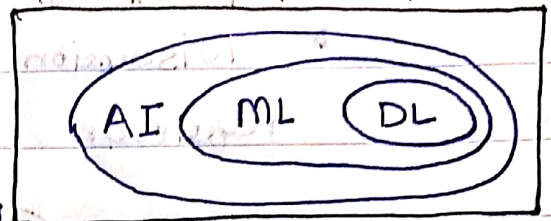


Day 2 : AI vs ML vs DL (17 Dec, 24)

Intelligence (IQ, EQ etc)

Ability to solve Things.

E.g. → puzzles, coding, interactive solving etc.



***AI** is an way of trying to duplicate intelligence of humans through machines to solve problems.

* Initial AI systems (expert systems) were mainly very highly focused on one small problem and won't perform well for fuzzy logic situation. This led to growth of ML.

ML is used to identify patterns, this uses stat. methods combined with prog. to create better algos. which can predict/create/identify a rule/pattern/program for the "data given". It is used in most scenarios for AI. { Does have limitations → need features*, gets saturated with larger data? }

DL is a way through which we have tried to enact/duplicate human neurons via machine programs. we are not sure how close it is to human brain as we don't know enough about our brain yet. Again based on stats. Does give more accuracy as data increases. But requires very large data to work. It is a more complex ML model.

Hence, we use ML for most work related to AI.