Framing a Machine Learning Problems

1 Business problem to ML Problem?

problems How to increase the revenue of netflix?

A) probable solution fore this can be reducing churn reate.

Churn Rade: How many active users are leaving on monthly/yearly basis?

Suppose a church reate of methix is 4%.

So one Tanget han to be reducing churn Rote.

Thompson I to 12 thousand

Target: Reduce customer Churn Rate

2 Type of Problems

- I find / identify the probe customers who can leave the platform
- 2) Means you have to find it a customen will have platform on not.
 - 3) For this, it becomes a classification problem.
 - 4) Also it can be a Regnession problem where you want to know about the probability of a person leaving the platform
- 3 Check any current soul solution exists on not:
 - -> If exist, then find what factors it has used to pract reduce chum reale
 - -> What flaws it han?
 - -> what improvement needed?
 - accuracy and the motion on that existing madel to improve

4. Gelling Data:

- Take the data which will be valuable to measure chum rate
 - Watchtime
 - Search vedeo but didn't find
 - Content left in the middle
 - Didnot dicked on recommendations
 - Order of recommendations

A Data engineer will provide this data as a DW (Data Wanehouse)

5. Metrics to Measure:

- You have to check wether your work that you are doing is close onough with the actual churn trate.

6. Online Ore Batch Learning:

- Fore netflix, A better approach would be online learning

7. Check Assumptions:

- You have to check the features you think you need is actually available on not
- As The factors you have decided to include that should be generalized. Should not be a biased case (make the model bias)
- Many more