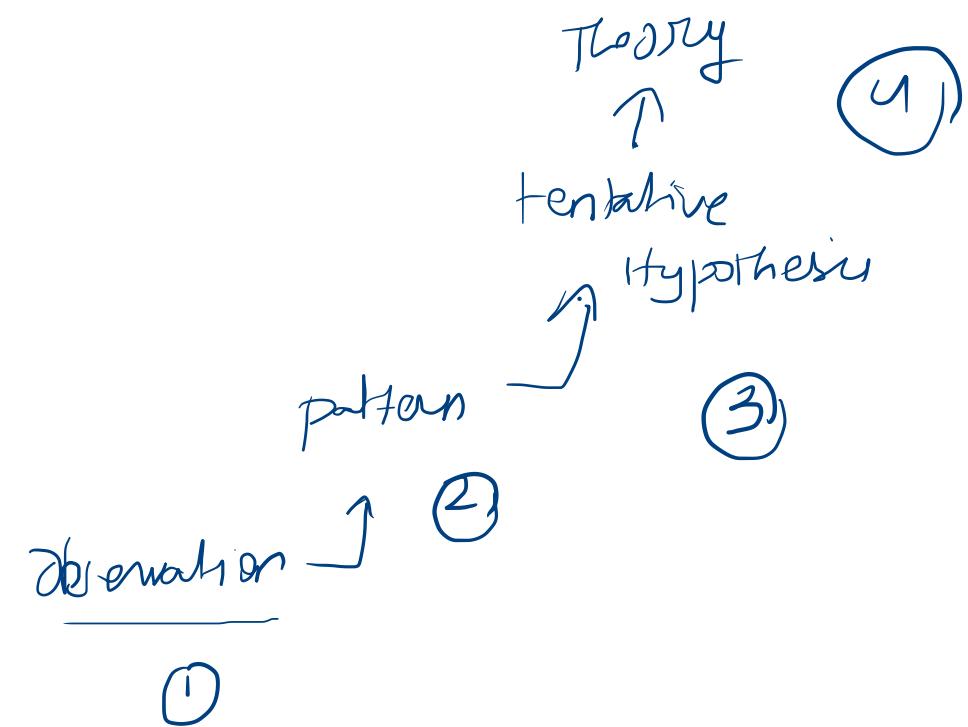
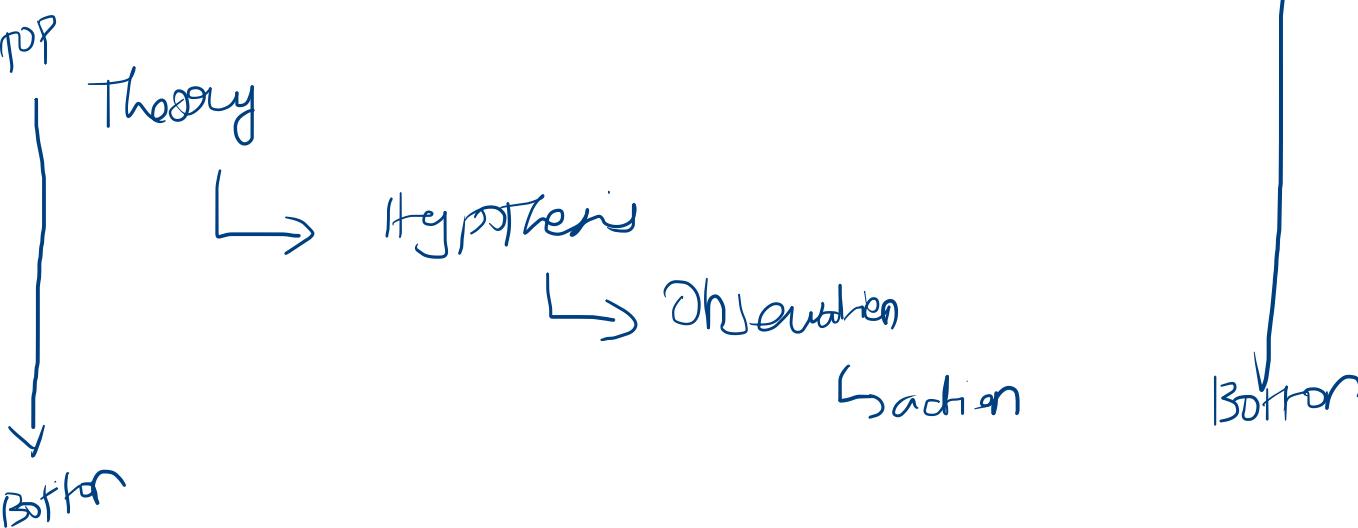
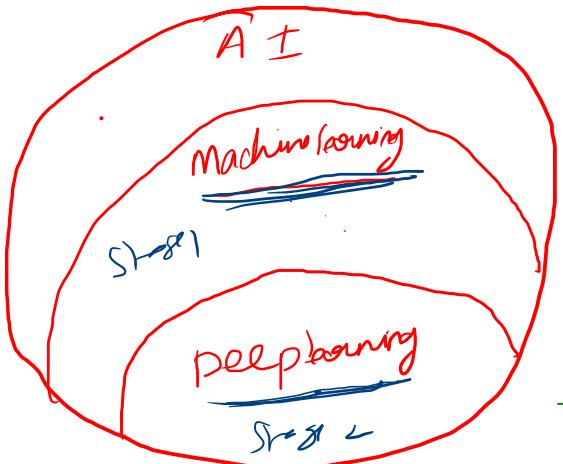


- ① decision making
- ② Law of physics



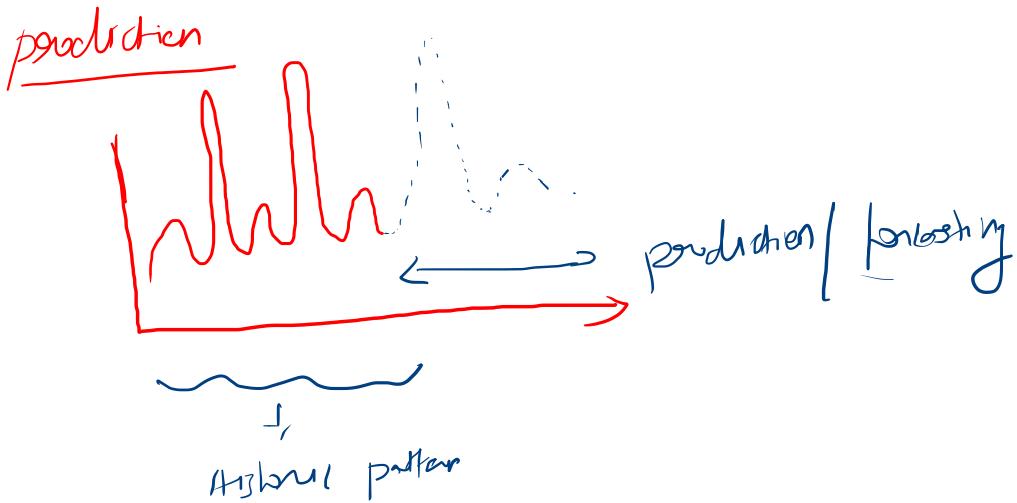


AI → ML → DL

Statistic Model

prediction

↑
formula



①

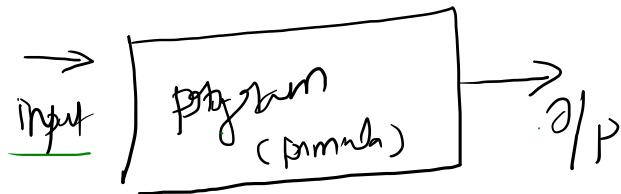
100/GB → Applying formula

production



Huge amount
of time

②



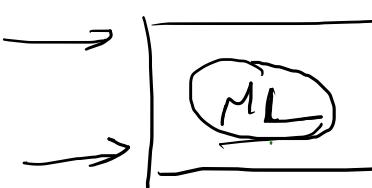
- ① huge runtime
- ② complex pattern

③

1001 n¹³

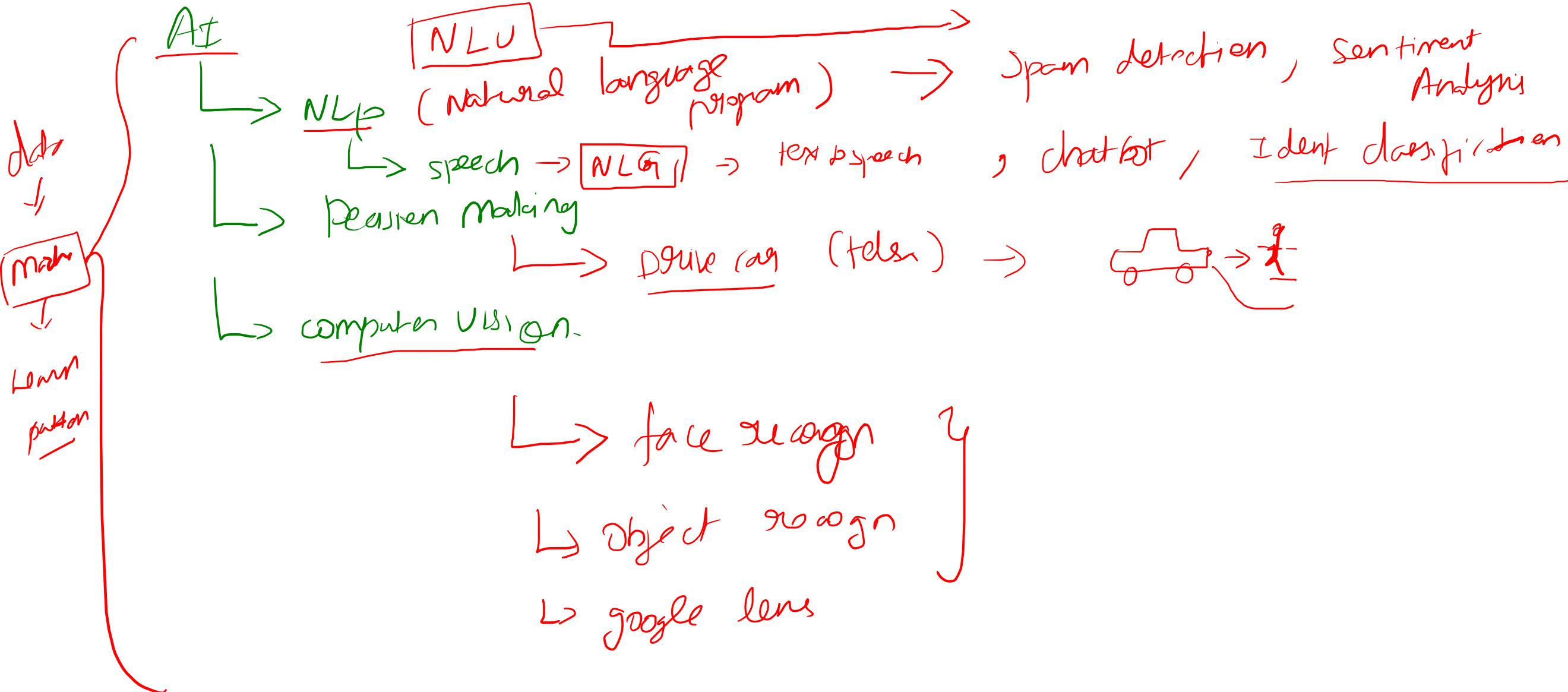
i/p

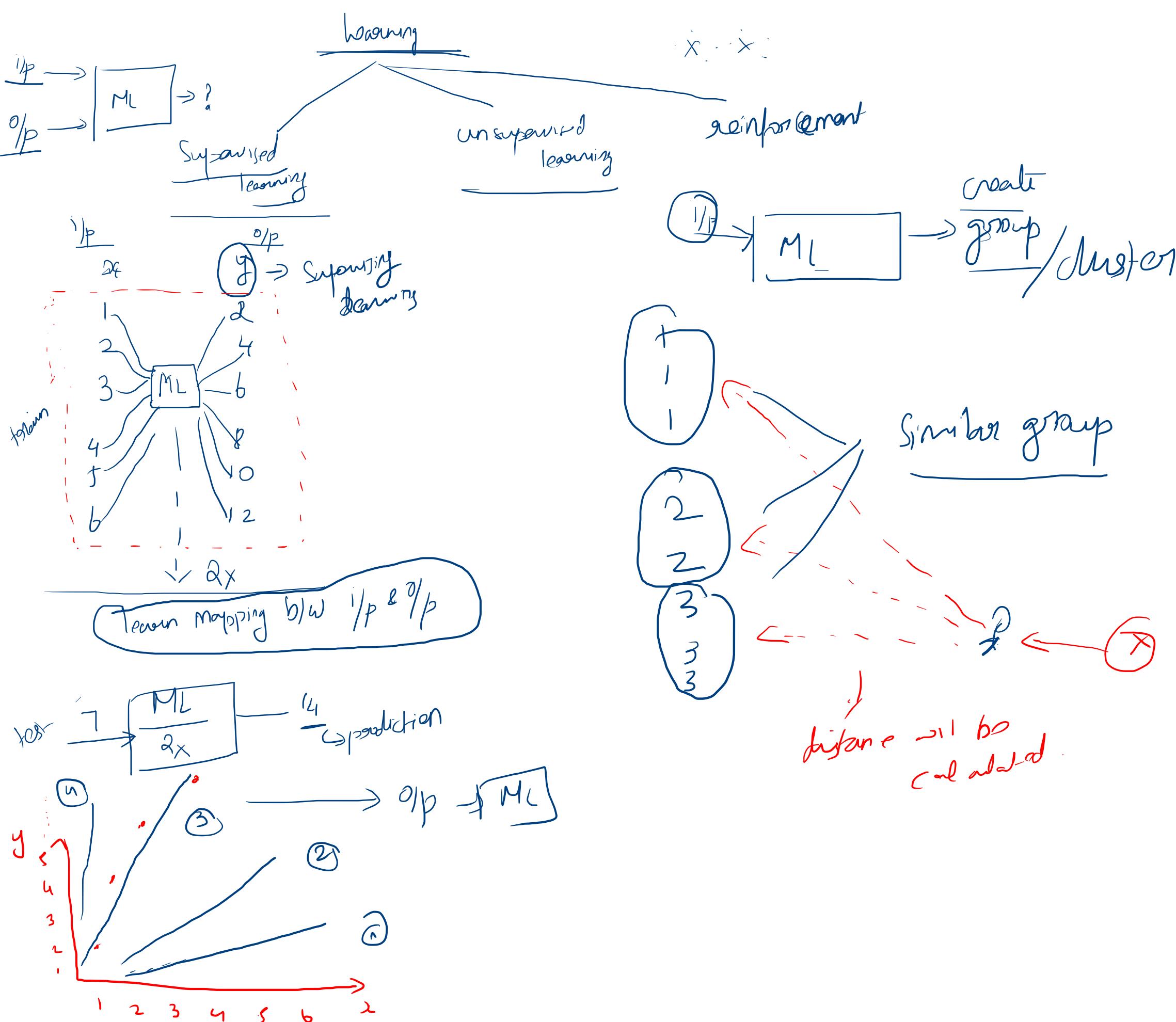
O/P



program / pattern

without
any statistic based
formula





Life cycle [process]

Iterative process

Data science life cycle

Business understanding



Analysis of data

Data mining/peprocessing

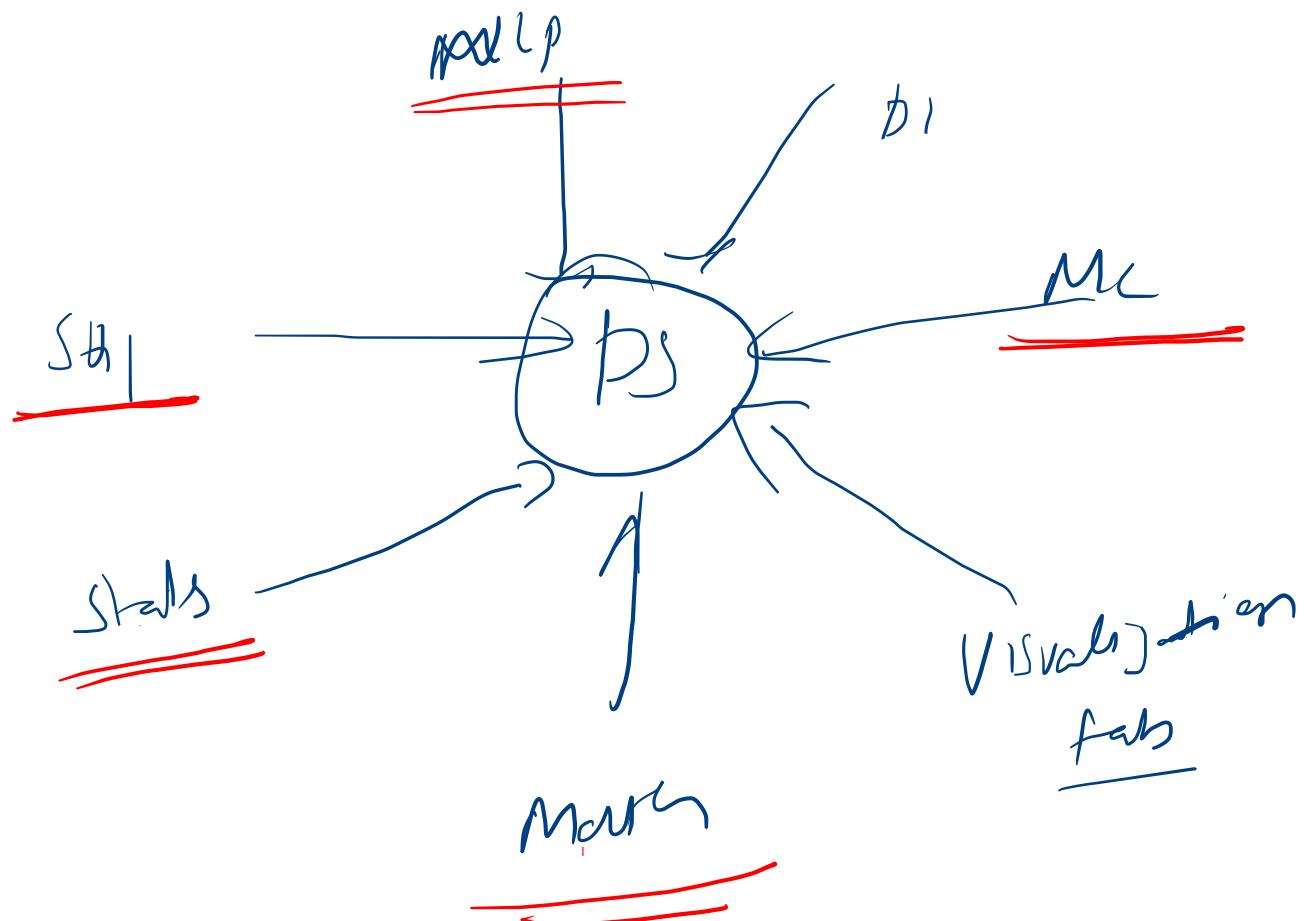
Iterative process

Data pre processing

Evaluation of model

Model building

EDA



\hookrightarrow Linear algebra

\hookrightarrow Calculus

program
 \hookrightarrow Python

learning

↳ supervised learning

$y \rightarrow \text{cont}$ regression $\rightarrow L, P$

$y \rightarrow \text{cat}$ classification \rightarrow

↳ unsupervised learning

dustering
clustering

x height

180
175
170
165
160

175

y weight

80
75
50
45
35
20

weight

?

