

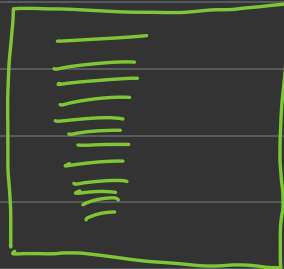
03 Sept 2022

Term 4 - ML

April 2022

- Data is the new oil.
  - ML is a powerful concept & framework for making the best out of it.
  - Age of Information or Age of data.
- eg: Google knows everything about my location.

MPT  
(Mumbai & N. Mumbai)



Data

Information

[Darshan + 49 more ppl]



Bus Service	Car
X	✓ convenient & easy
AC	AC
✓	Guaranteed Seat
P2P	Home - Destn
15min	Time conv.
₹ 2950/- pm	10 000 - 120000 rs / month
✗ No Driving	Driving - Tired & fatigue
Sleep, Meetings, Netflix	Home - Fresh

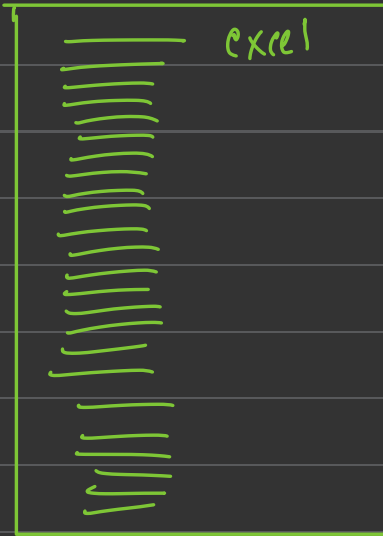
Who is most intelligent lifeform on the planet at the moment?  
Human.

- m/c: To mk data driven decisions at a scale.

your friend (10yrs)

Will you lend a 10000 vs?  
10yrs (100 interaction)

past  
experience



M/C

80 yes ✓ ∴ Money Lended

20 NO

10 interaction Human

7  
yes  
✓

3  
No

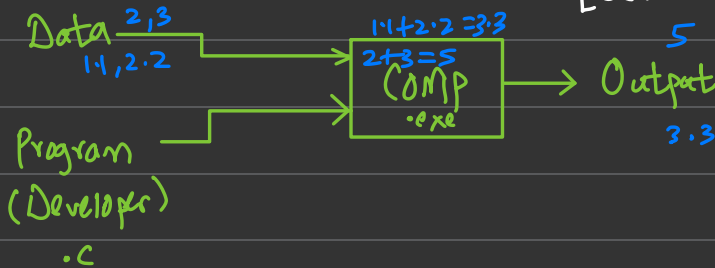
∴ money lended.

# Traditional Programming Paradigm

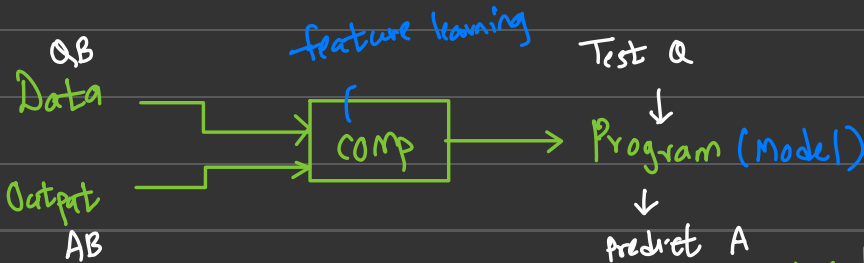
HDFC  $\xrightarrow{\text{website}}$  Infosys

Task: Add two nos

[Deterministic]



# ML Programming Paradigm



$\rightarrow$  comp Pred vs Actual  $\rightarrow$  Rate Perf.  
understand relationship b/w

QB	AB
1	1
2	2
3	3
...	...
...	...
100	100

Study  
80

80 QB  
80 AB



QB & AB

20 Q

20 A



Predicted

Actual (True)

1  
Compare Actual & Predicted  
answers & rate the performance  
of a student.

———— X ————