



# HOW MACHINES LEARN

By Biswas Nandamuri

201901441

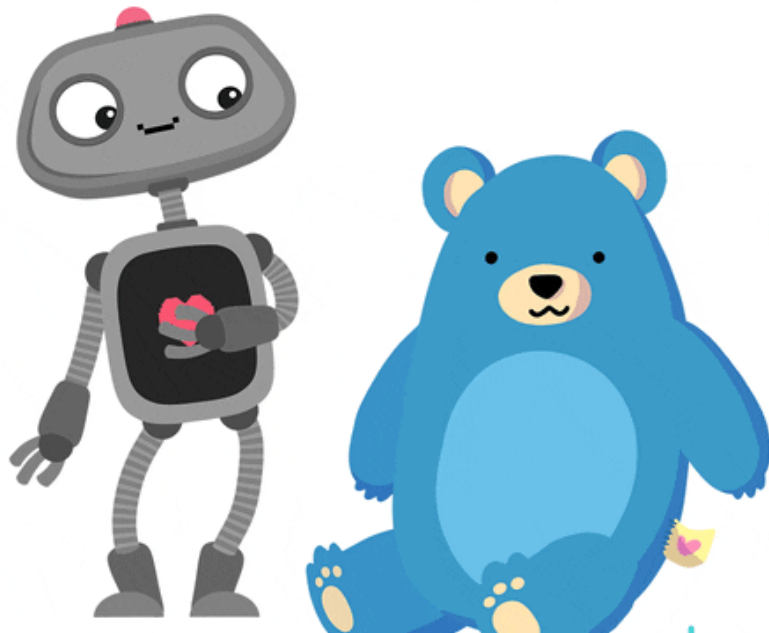
## NETFLIX (US) VS NETFLIX (AUS)



← Stalker Bot

# STALKER BOT'S DEDICATION

You know



ExpressVPN



*CyberGhost*VPN

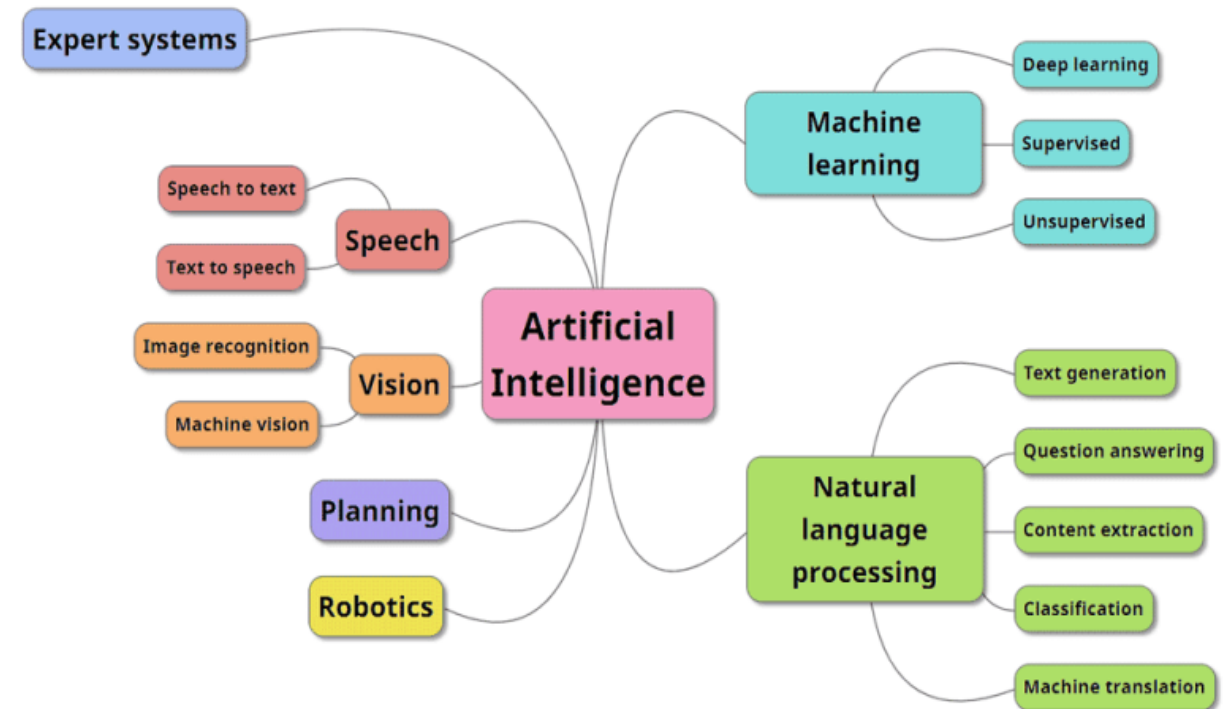


NordVPN®

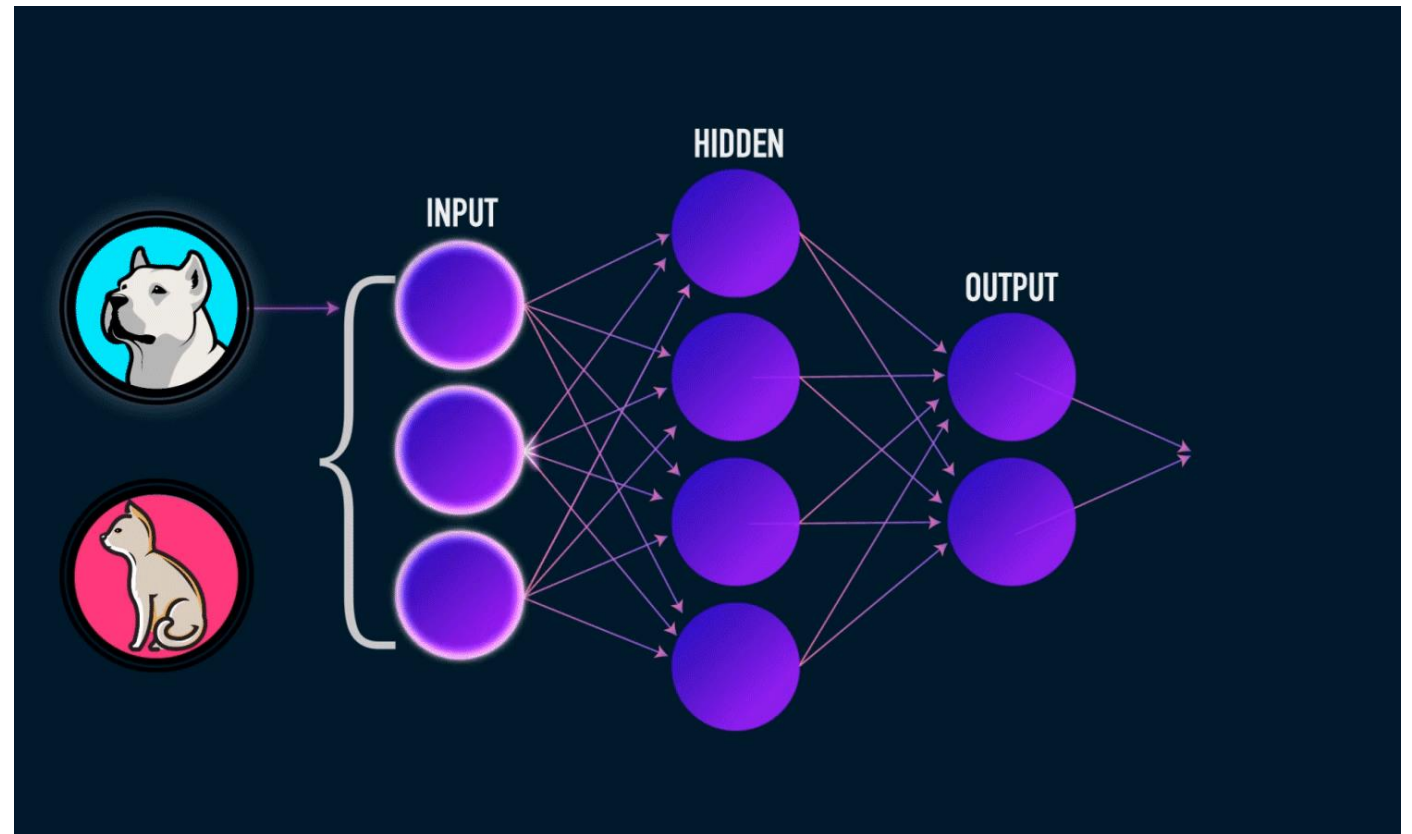
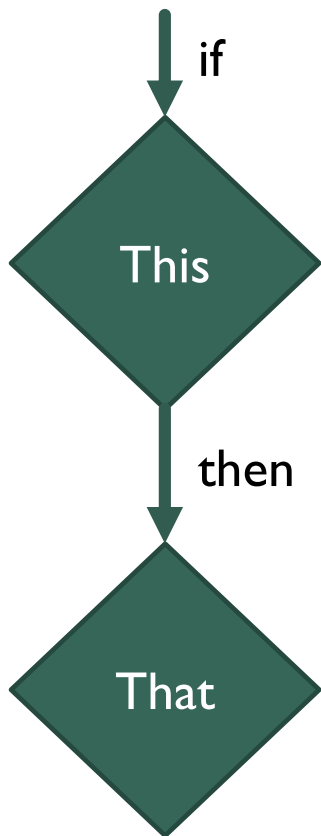
# MACHINE LEARNING

Machine learning (ML) is a subset of artificial intelligence. It is the scientific study of algorithms and statistical models that computer systems use to perform a specific task **without using explicit instructions, relying on patterns and inference instead.**

*“Machine learning can find patterns in large data sets.”*

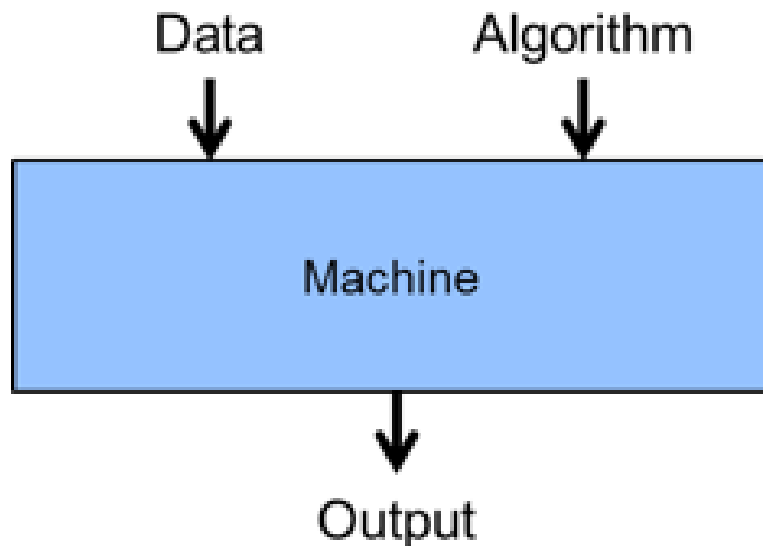


# TRADITIONAL PROGRAMMING VS MACHINE LEARNING

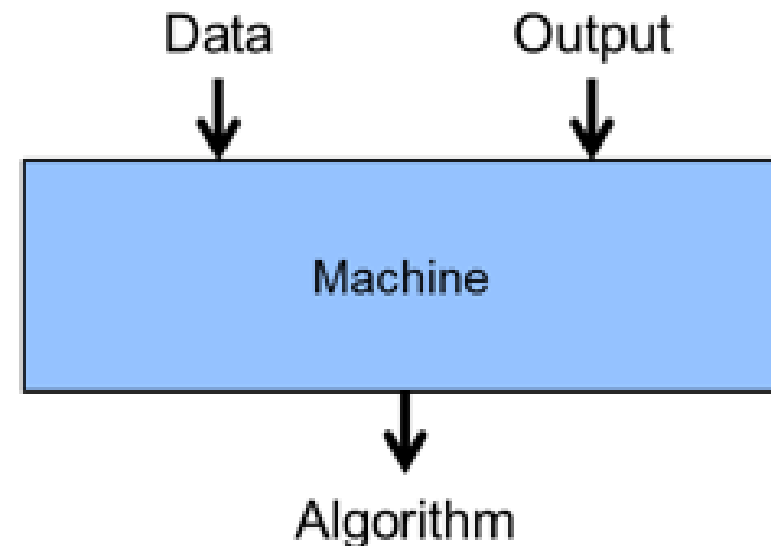


# TRADITIONAL PROGRAMMING VS MACHINE LEARNING (CONT.)

## Traditional programming

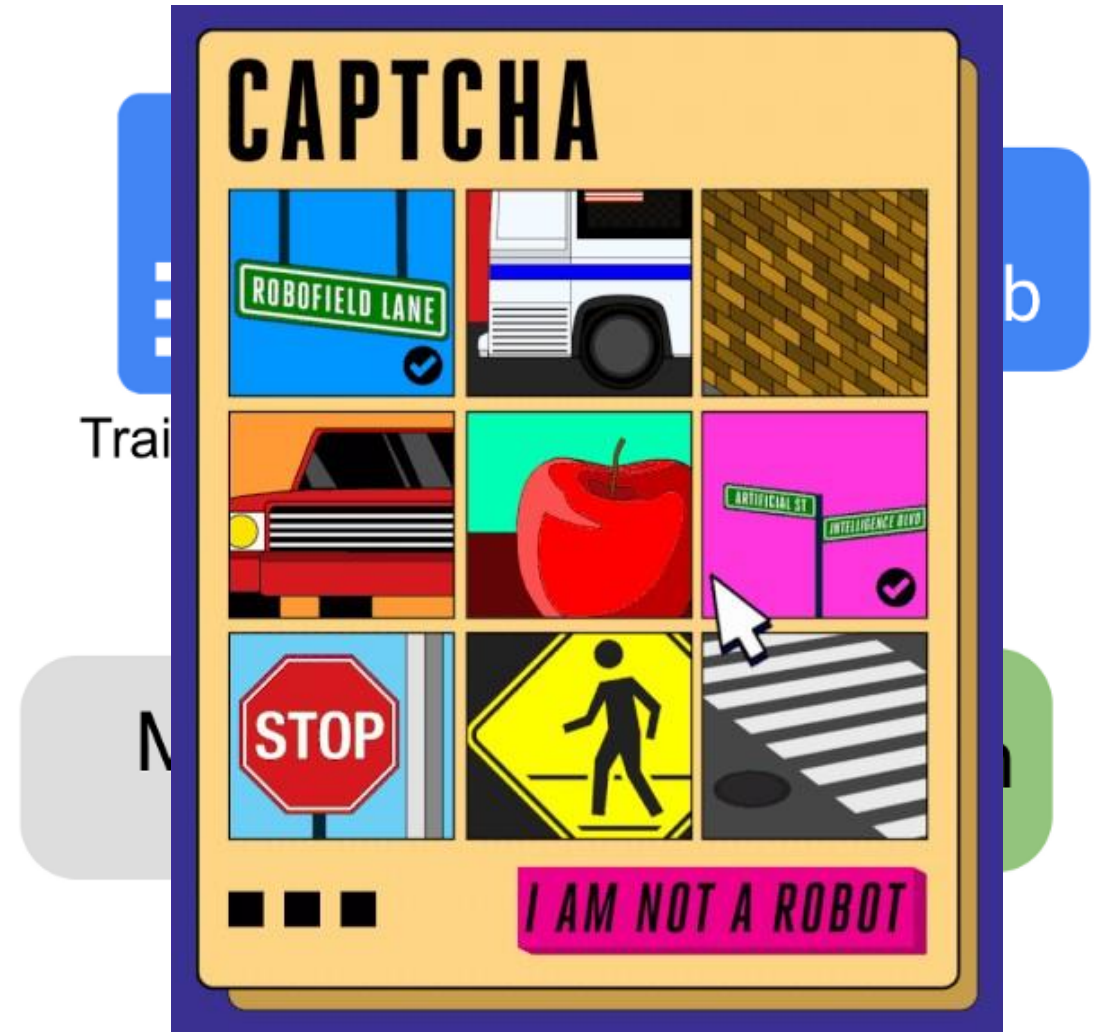


## Machine learning



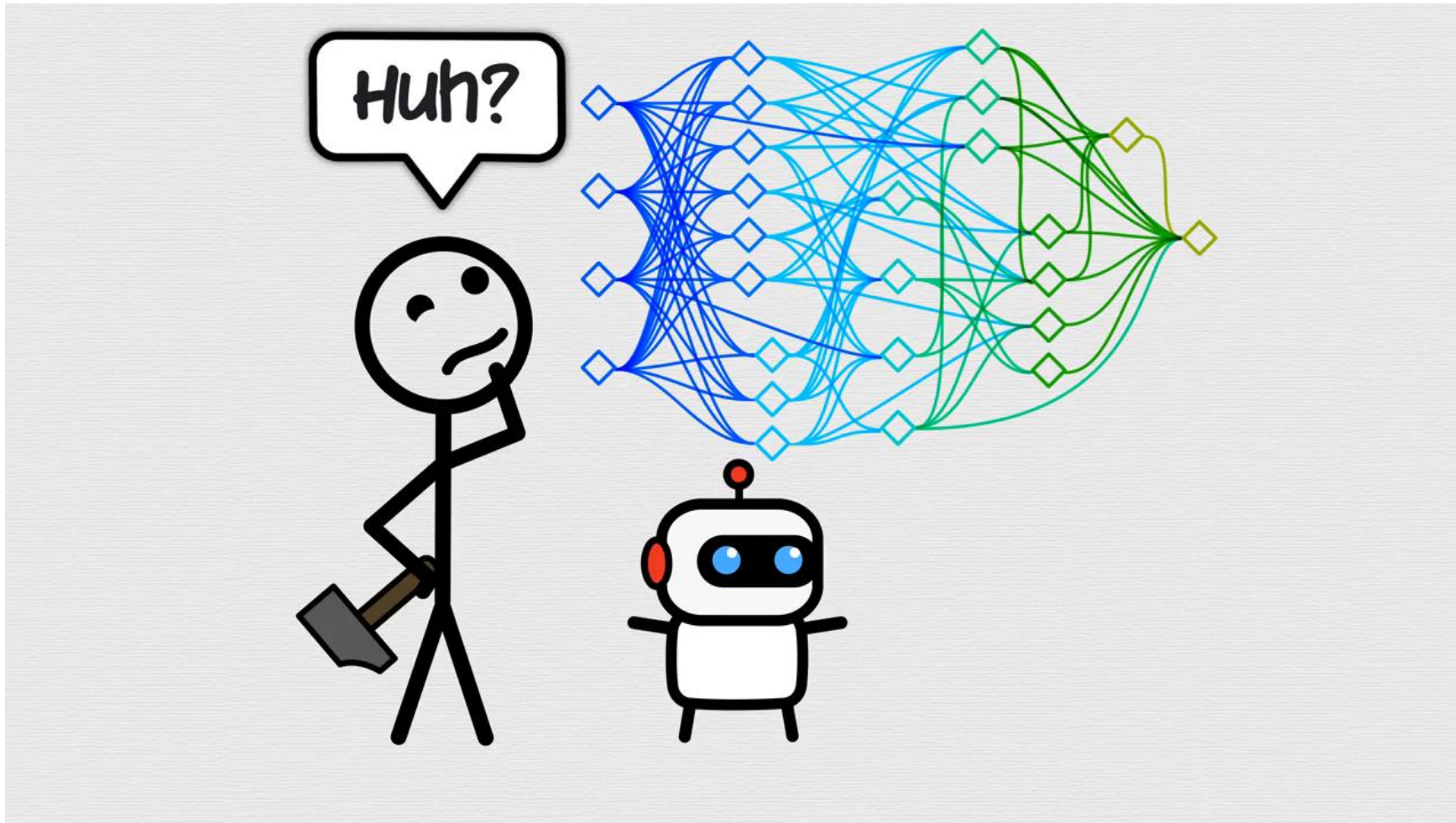
# STEPS IN MACHINE LEARNING

- Data Collection
- Data Preparation
- Initialize the model (Random Paths)
- Train the model
- Evaluate the model
- Tune the model parameters
- Make predictions





## BEE'S VS THREE'S





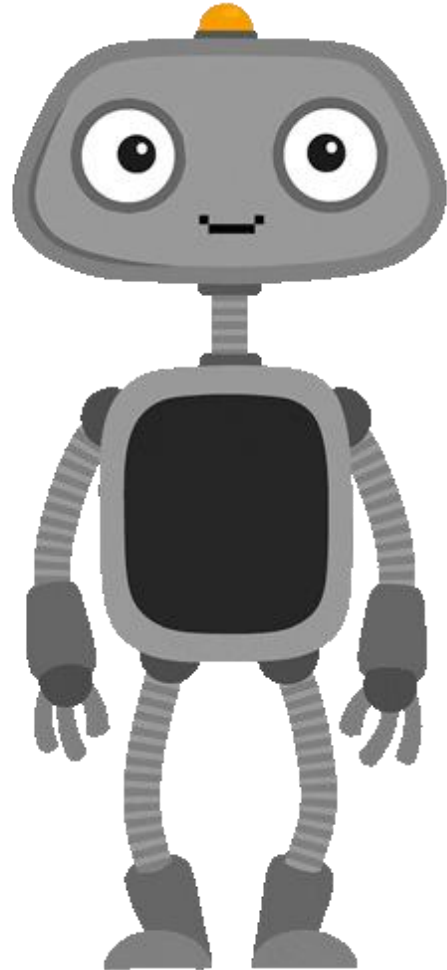
# CONCLUSION

- Machine learning or Artificial Intelligence does not give machines/computers the ability to think, they just find patterns in data and are good at making predictions.
- Most importantly, we are not creating a *Terminator* (For now).



# RESOURCES

- 7 Stages (Medium Article) - <https://towardsdatascience.com/the-7-steps-of-machine-learning-2877d7e5548e>
  - (Kdnuggets) - <https://www.kdnuggets.com/2018/05/general-approaches-machine-learning-process.html>
- Artificial Intelligence (Graph) - <https://sangerinstitute.blog/2019/03/04/getting-smart-about-artificial-intelligence/>
- Mr. Scott Galloway's Portfolio - <https://www.profgalloway.com/>
- Machine Learning vs Traditional - <https://www.linkedin.com/pulse/machine-learning-vs-traditional-programming-kailash-rajesh-maharaj/>
- CGP Grey's Video (ML Process) - <https://www.youtube.com/watch?v=R9OHn5ZF4Uo>



THANK YOU

ANY QUESTIONS?