

# *The Machine Intelligence Era Begins*



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# Some basic definitions



***Artificial Intelligence  
Machine Intelligence  
Cognitive Computing***



***Machine Learning***



***Deep  
Learning***

# Why now? – Silicon Valley has a formula for AI success

**Big Data  
Availability**

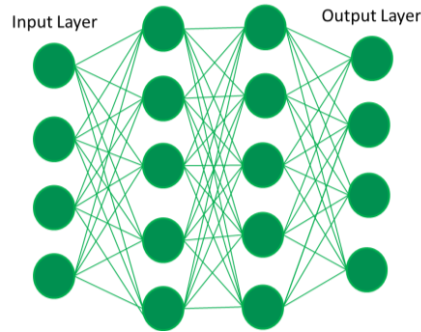
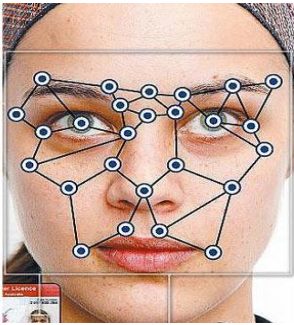
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**Deep Learning  
Technology**

+

**Cloud  
Economics** =

\$

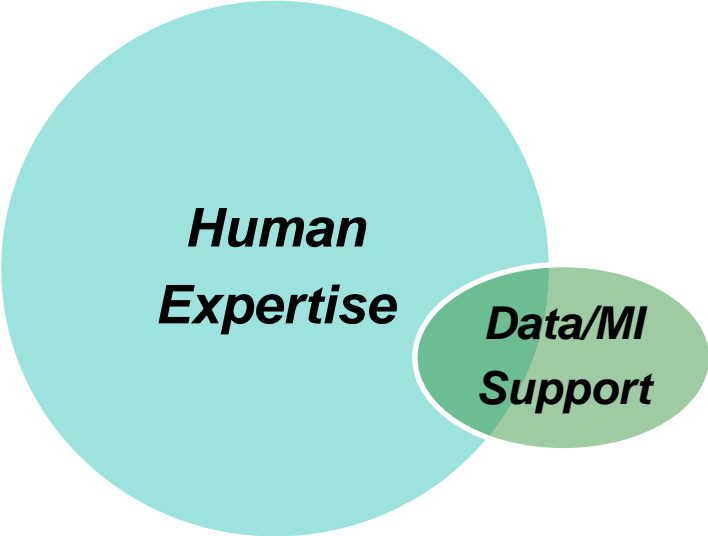


- *Microservices/APIs*
- *Global deployment*
- *Open Source*
- *Zero marginal cost*
- *Venture funding*
- *Profits later*
- *Winner take all*
- ***Over 1,000 start-ups***

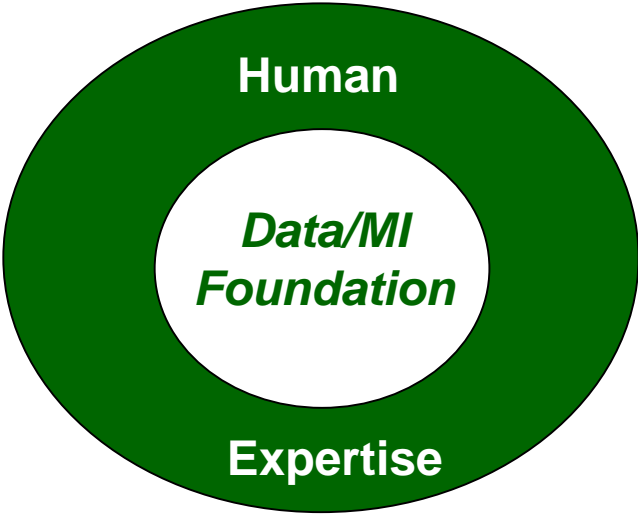


# But most traditional organizations have a very different formula

*Islands Of Data* + *Limited MI Skills* + *Traditional Economics* = *Widening MI Gap*



*Traditional firms*



*Google, Amazon, Facebook ...*

# Like human intelligence, MI comes in many forms

## **Sense:**

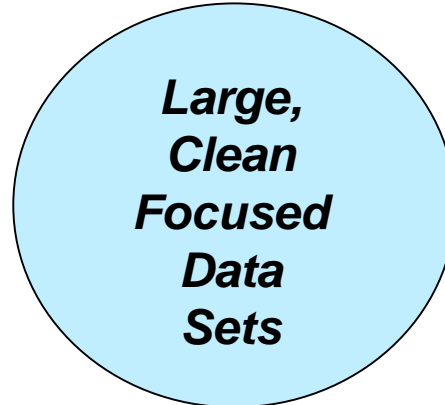


- See/read
- Hear/listen
- Smell/taste/touch
- Recognize
- Track/navigate

## **Interact:**



- Speak
- Write
- Translate
- Empathize
- Explain



## **Analyze:**



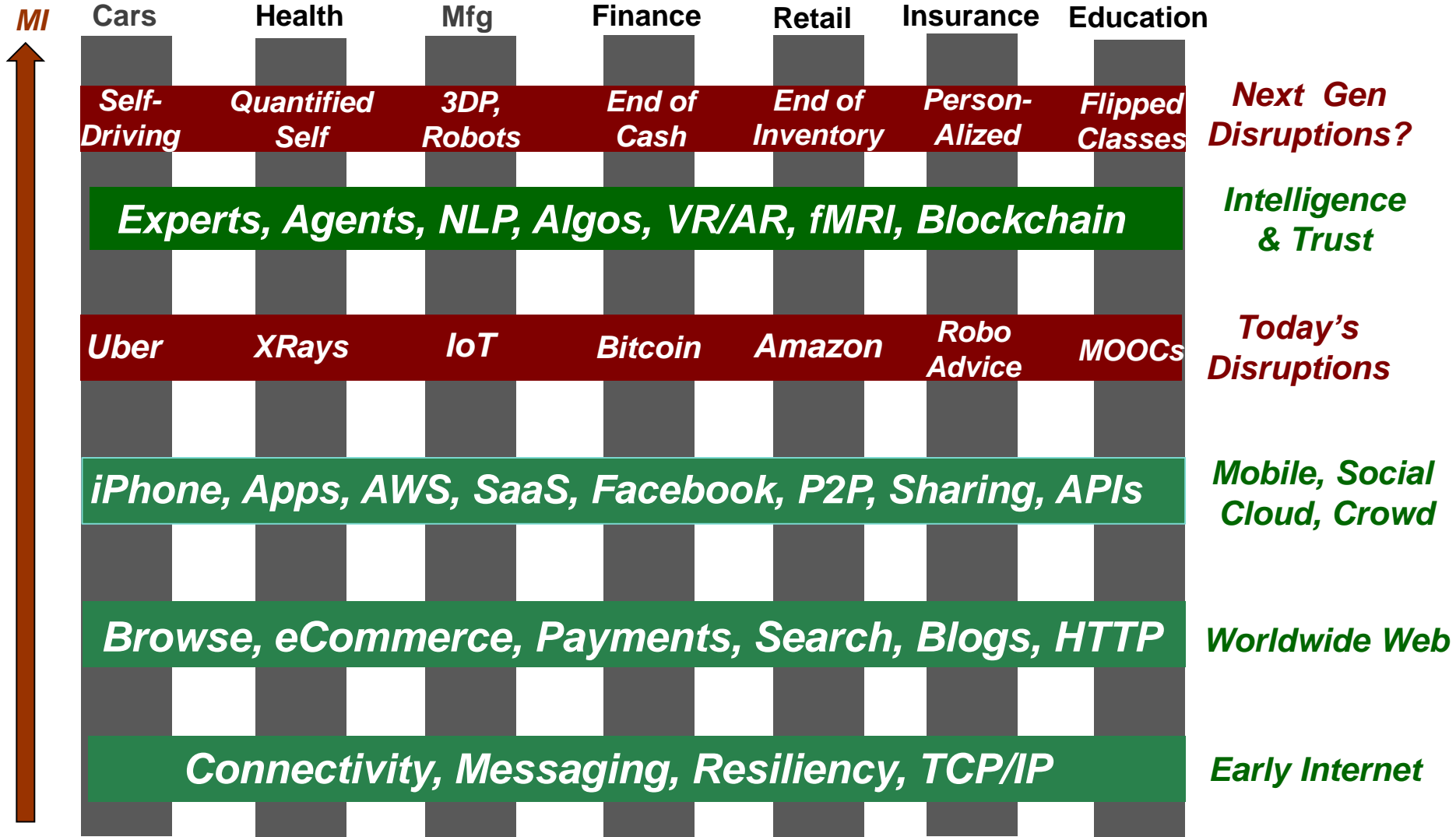
- Identify patterns
- Detect anomalies
- Determine probabilities
- Anticipate needs
- Create/discover

## **Automate:**



- Run via algorithms
- Control
- Optimize
- Operate autonomously
- Self repair/replicate

# Machine Intelligence will drive the next phase of Digital Disruption



# But we have not yet reached a tipping point



THANK YOU

