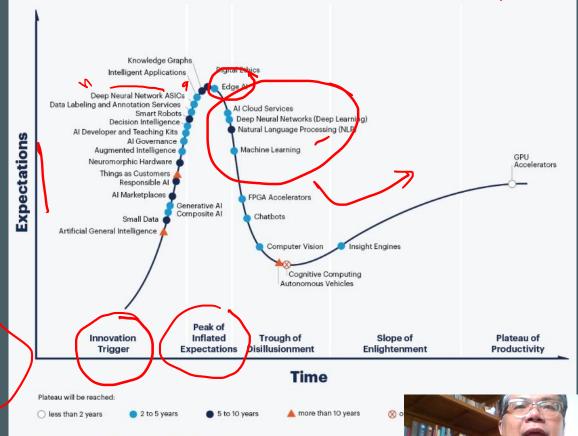


#### **Hype Cycle for Artificial Intelligence, 2020**



#### gartner.com/SmarterWithGartner

Source: Gartner

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# AI: BRINGING SMARTER AUTOMATION TO THE FACTORY FLOOR 2017

Andrew Ng Announces Landing.ai — Bringing AI to Manufacturing





#### **Industrial AI Enabler**





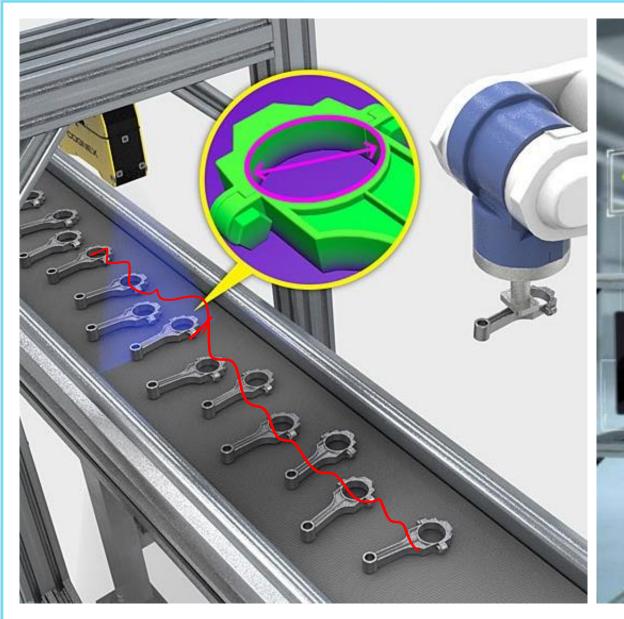


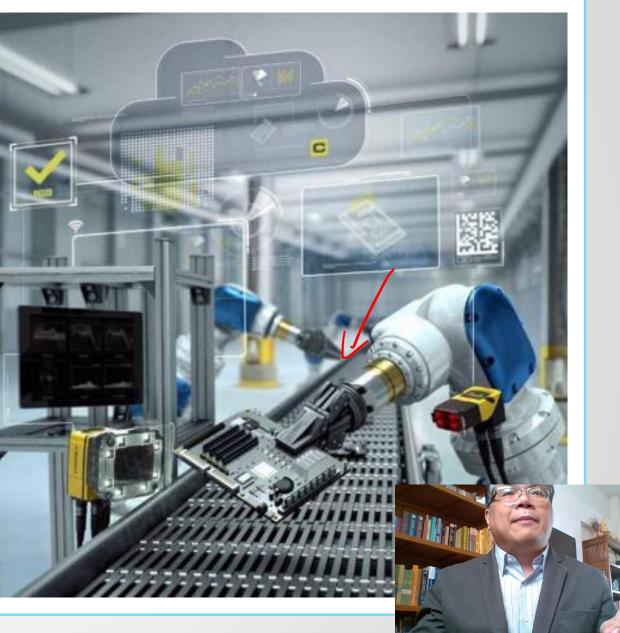
Agro and food products = Random shape + positions

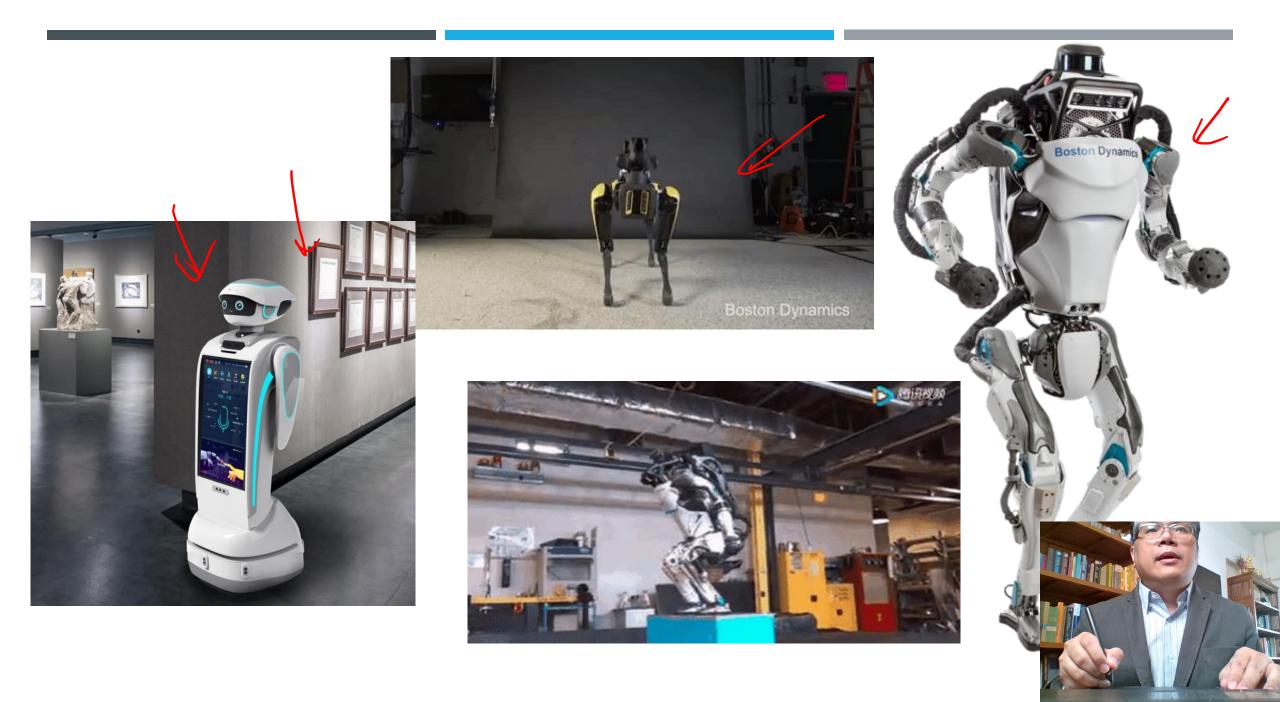


Robots + A.I. → Industrial application











## Deep Learning Frameworks





CNTK DEEPLEARNING 4J









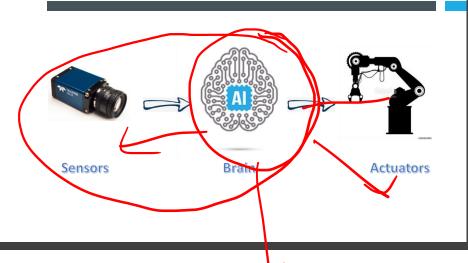


- Amazon offers "pay as you go" approach which means a user will pay only for the individual services s/he uses without any long term licensing.
- •Microsoft Azure is less expensive than AWS and charges on a minute basis.
- ■GCP too charges on a minute basis and there are no up-front costs or termination fees.

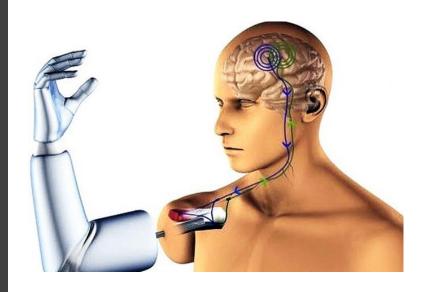
Service	GCP	Azure	AWS
Image Recognition	Cloud Vision API	Compute Vision API	Amazon Rekognition
Video Recognition	Cloud Video Intelligence API	Video Indexer	Amazon Rekognition Video
Speech Recognition	Cloud Speech API	Speech Recognition API	Amazon Transcribe*
Text Analysis	Cloud Natural Language API	Text Analytics API	Amazon Comprehend
Language Translation	Cloud Translation API	Translator Text API	Amazon Translate*



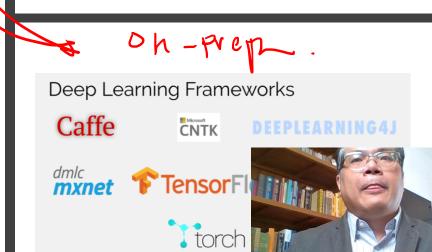


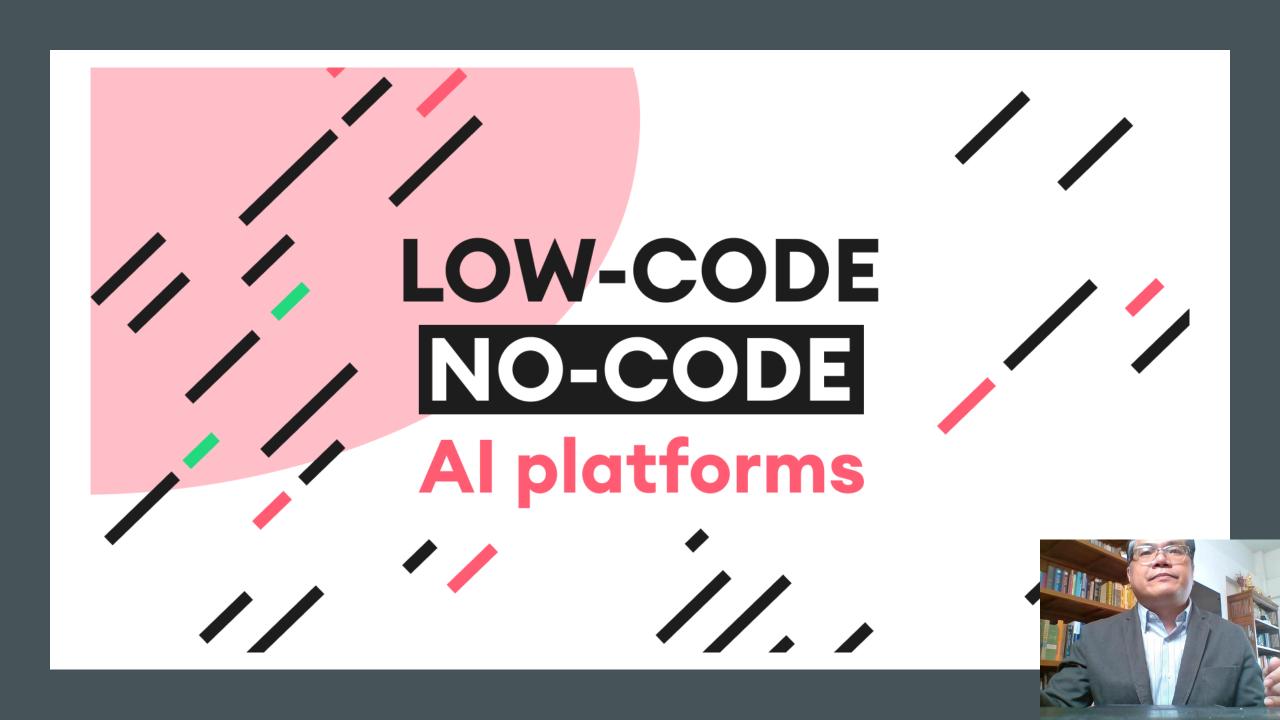


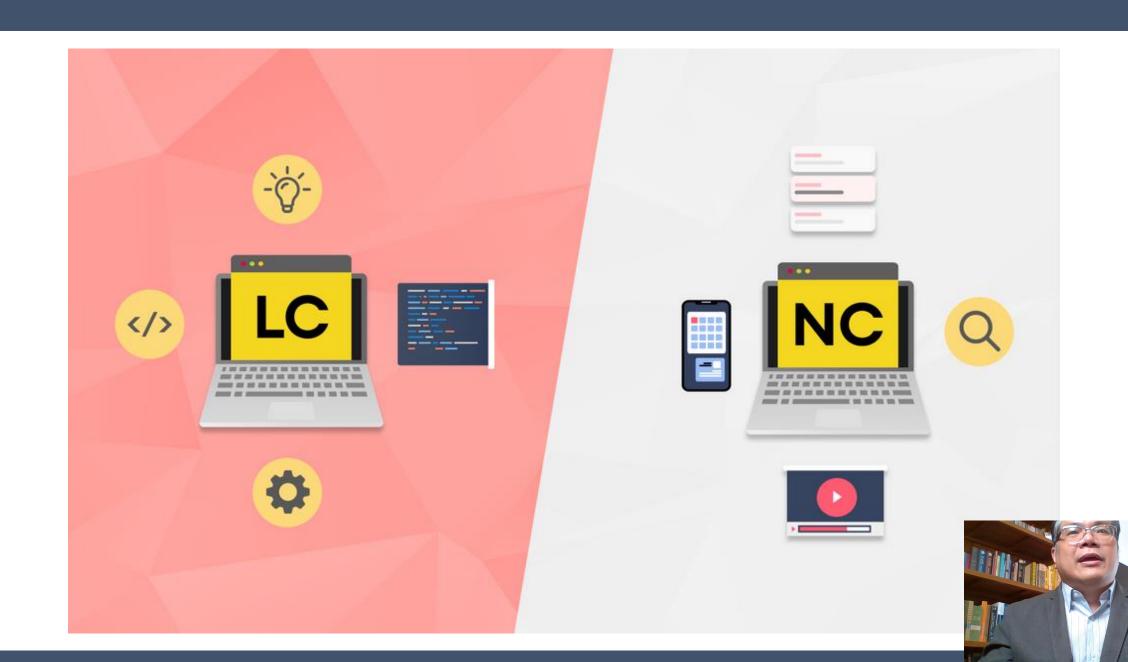












### ADVANTAGES OF LOW-CODE/NO-CODE PLATFORMS

- Accessibility: Low-code/no-code platforms enable non-tech people or businesses to build Al systems from scratch, thus, making Al more accessible to a wider variety of companies.
- Usability: These tools often have an intuitive drag-and-drop interface where the complexity is reduced to its minimum, so, as a rule, it's quite easy to navigate through low-code/no-code Al platforms.
- Al models, project templates, and ready-made datasets, it takes much less time to label and iterate the data, significantly accelerating the model development.
- Scalability: All performs tasks for a lot (if not a hundred) of users, saving time and resources of the company. Besides, the servers are automatically scaled up or down, depending on the loa really easy to follow the workload and the progress itse

# DISADVANTAGES OF LOWCODE/NO-CODE PLATFORMS

- **Security:** Some platforms may fail to design access protocols and that's an issue for companies where security is at the utmost priority. It's safe to research the terms and conditions to clearly understand how and where your data is going to be processed.
- Lack of customization: Though easy and fast, low-code/no-code platforms are mostly limited in functionality, because they're designed to cover a specific problem and it's hard to come up with out-of-the-box, more complex solutions. Business needs change like the wind, so once you've outgrown a specific solution or functionality, where do you go next?
- Pequires consultation or training: Ideally, the ML engineer, human resources specialist, and marketing intern should be equally able to use the low-code/no-code platforms, but that's not always the case. Because the end-user of an Al platform is an ML engineer anyways, it will take a lot of training and consultations for the rest of the team to find their way around Al processes.
- Pack of trust: What we've seen so far is that low-code/no-code AI platforms gain popularity, but are they as practical as the traditional ML approaches? According to Google Trends, the interest in no code ML is increasing but people interested in

traditional ML are far ahead. This is because ML and computer visi there for a while, these resources and libraries heavily outnumber I

code Al platforms.

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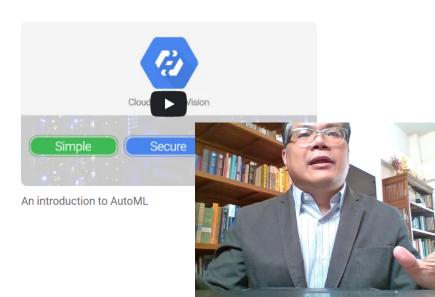
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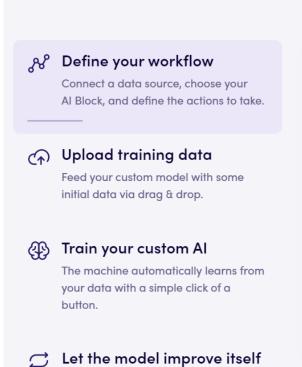


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Levity



Your AI will ask for input when unsure and automatically learn from it.

Identify rooms from user images AI BLOCKS Image detector Email sentiment Untitled Image detector

lobe Tour Blog Help

Overview Examples Tour Blog Help

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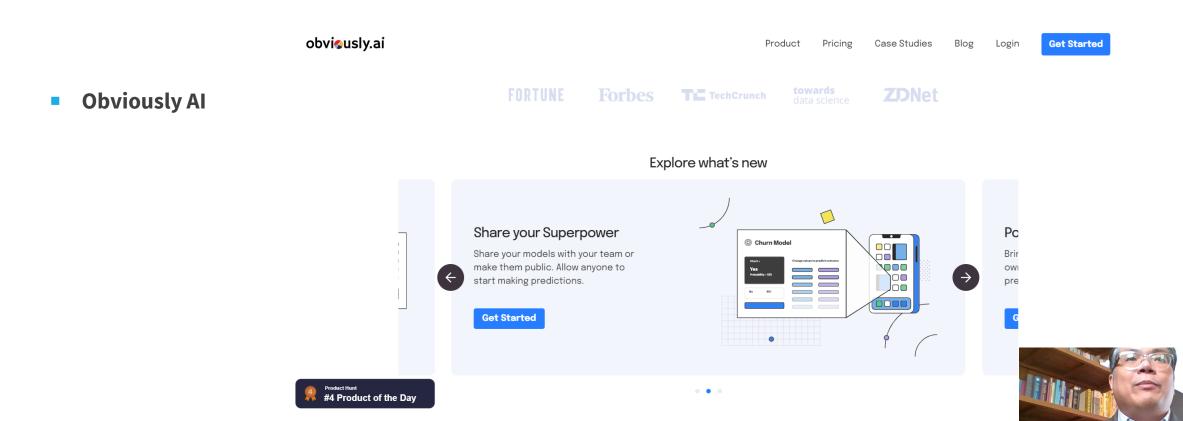
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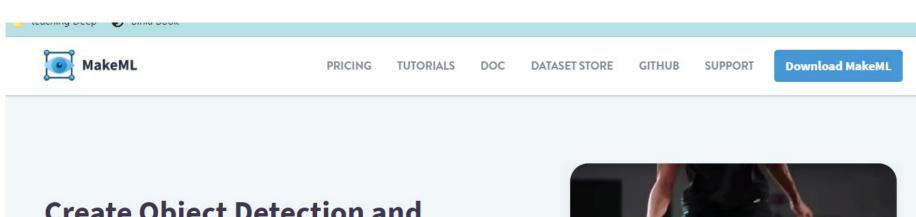
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