

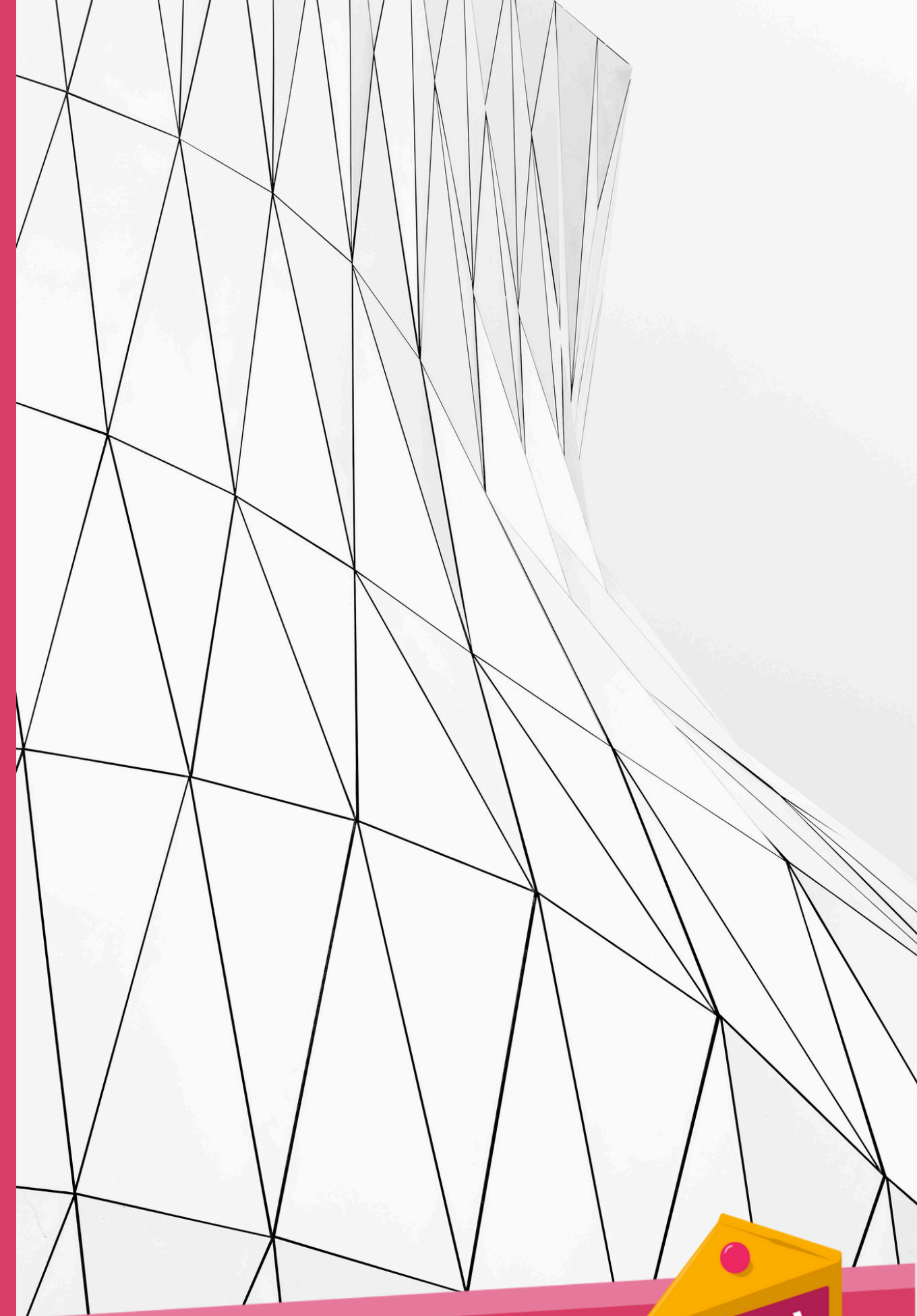


# Business of AI



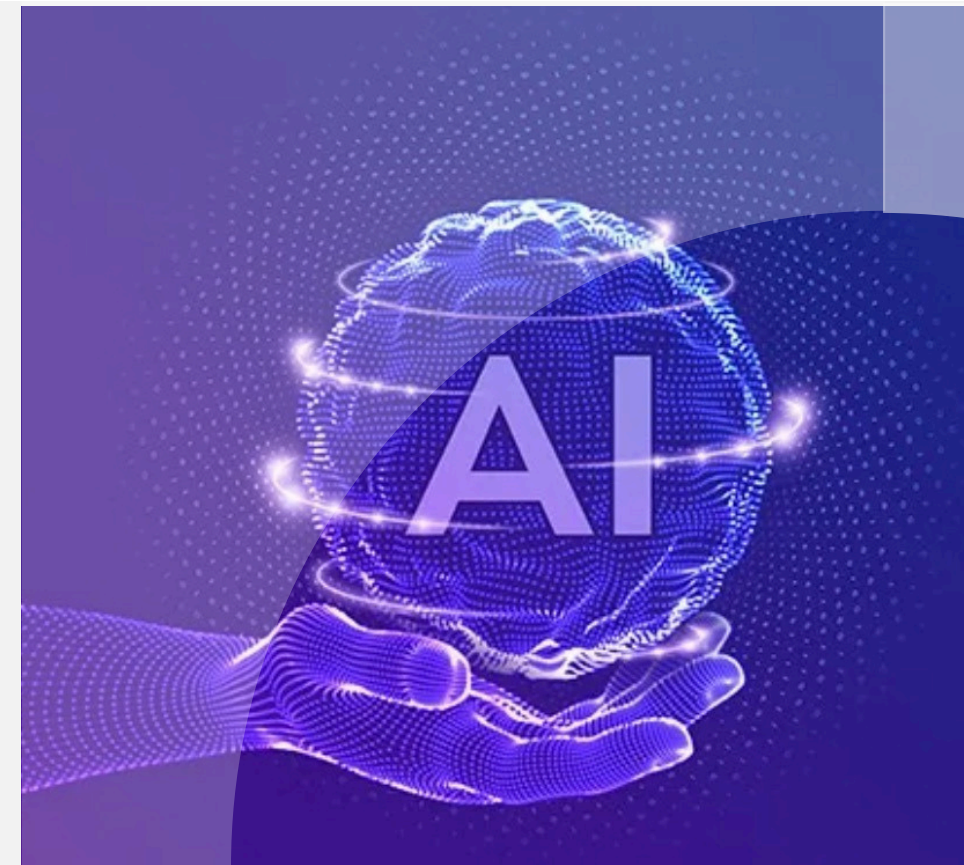
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18th August 2021



# Talk Outline

- Demystifying Terms
- Business Value of AI : What
- Business Value of AI: How
- Process of Developing AI
- Applications Practical Limitations
- Business Challenges
- There is a Hope
- Framework for Successful AI Business

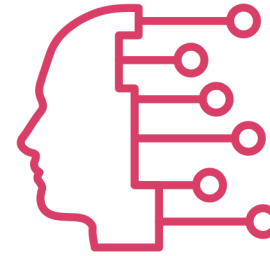


# Demystify Terms



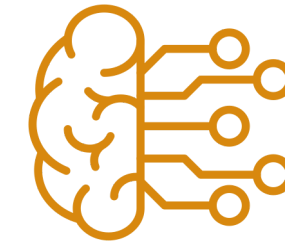
## Data Science

It is a broad field of study pertaining to data systems and processes, aimed at maintaining data sets and deriving meaning out of them.



## Artificial Intelligence

Machines or computers that mimic cognitive functions that humans associate with human mind such as learning and problem solving



## Machine Learning

Machine Learning is the study of computer algorithms that improve automatically through the experience without the need for explicit programming.



# Business value of AI: What



Reduce Cost

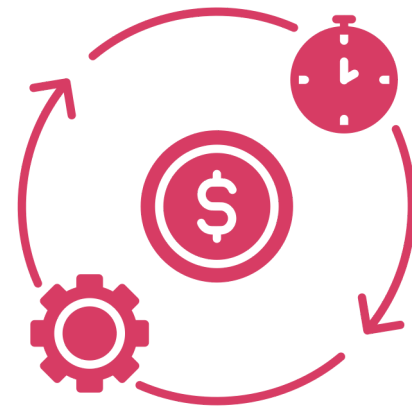


Increase Revenue



Create New Value

# Business value of AI: How



## Efficiency

- Cheaper
- Faster



## Create New Value

- New Business Model
- New Customer Segment





# Process of Developing AI Applications

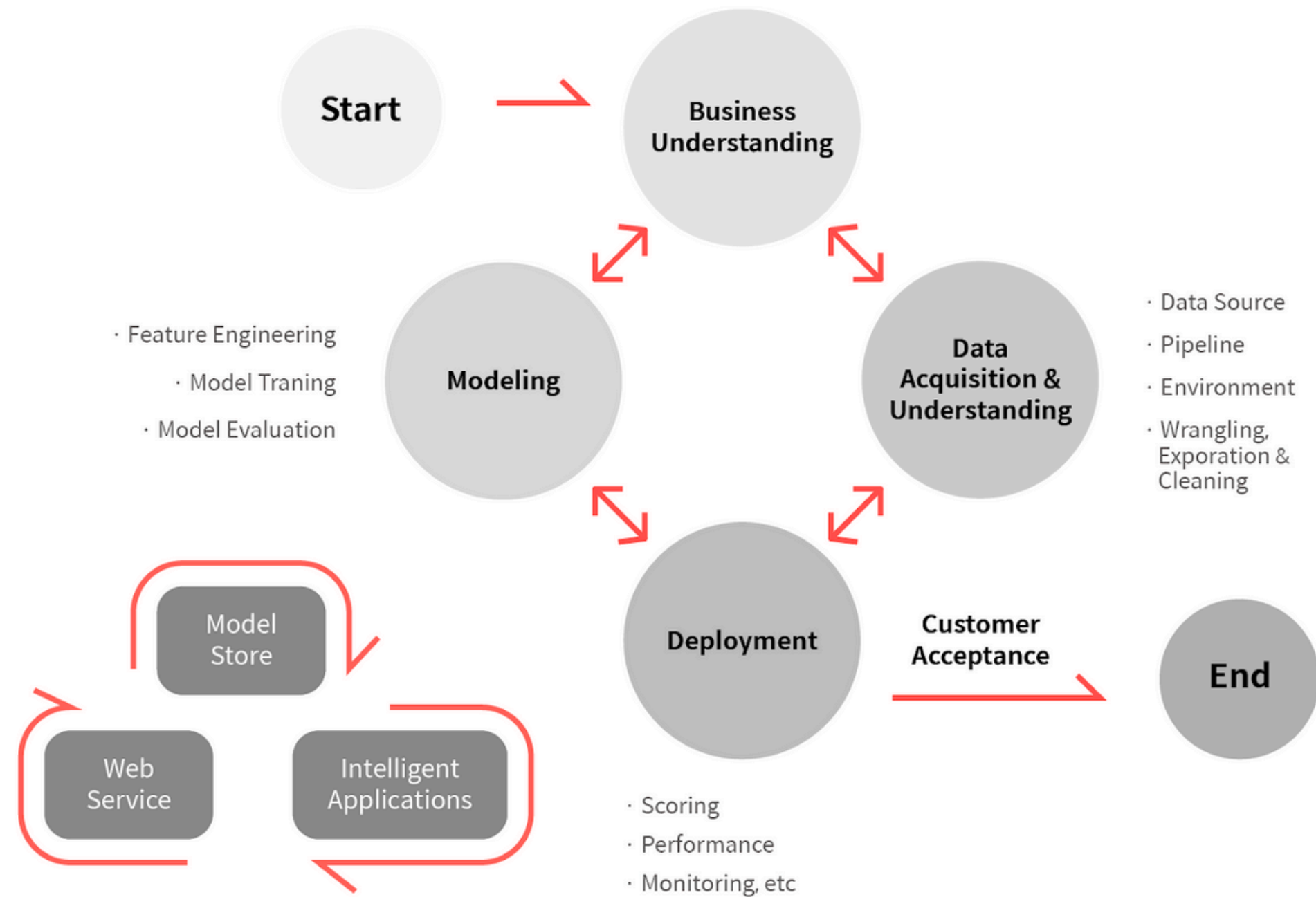
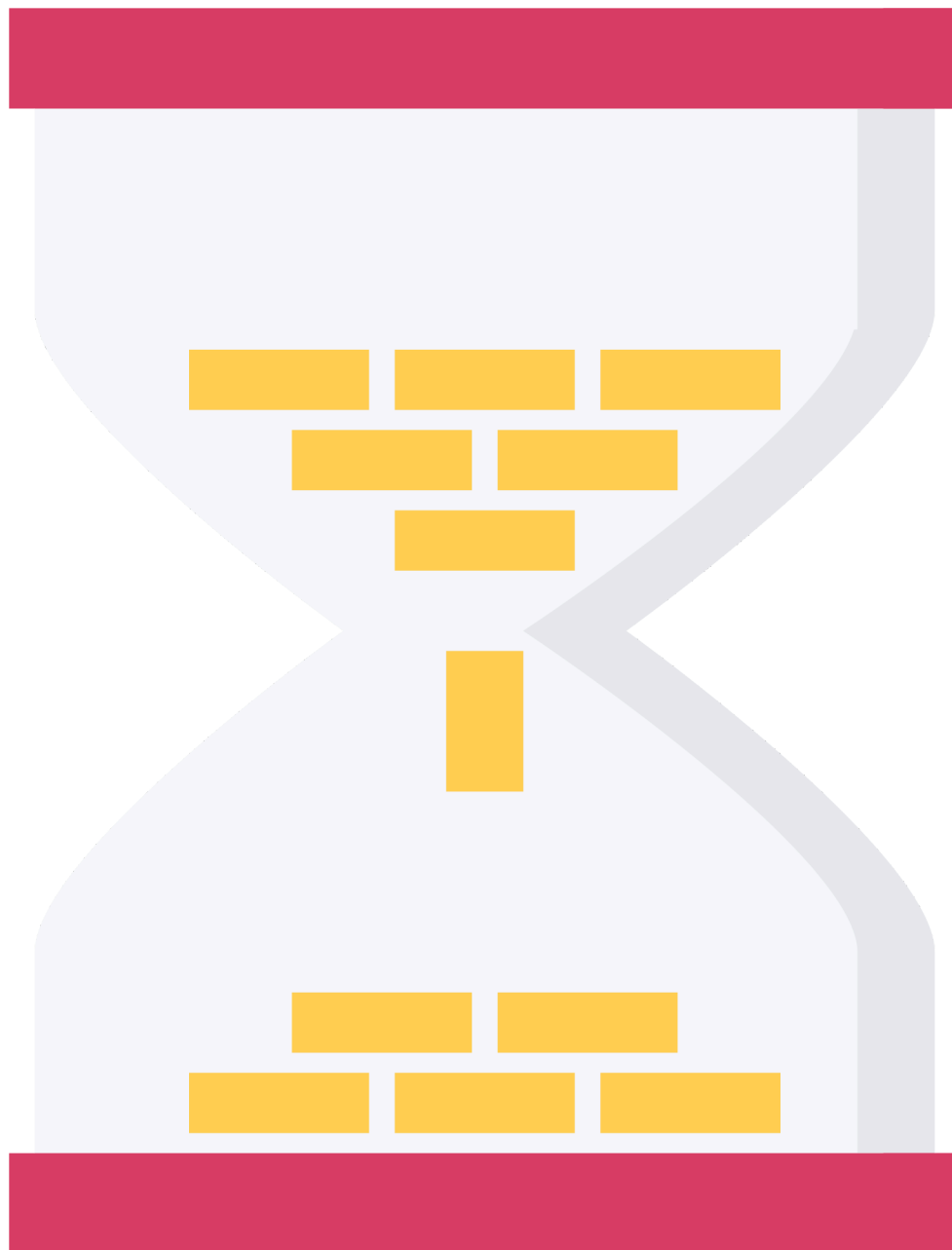


Image Credit: <http://programmersought.com/article/250152726/>

# Practical Limitations of AI Applications



## 01 Data Hungry

AI Algorithms are too data-hungry. They require a large amount of data to learn and operate effectively .

## 02 Data Bias

It presumes that data is unbiased.

## 03 Environment

It assumes that the environment in which it operates is stable

## 04 Causal Model

It is great at learning and identifying correlation, but does not determine causality

## 05 Domain

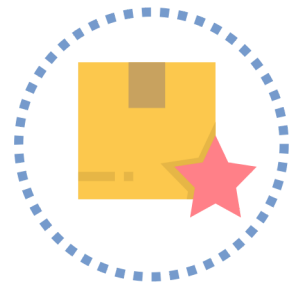
It does not build on any prior knowledge of the domain

## 06 Knowledge Sharing

Limited transfer learning capabilities and is unable to generalize from one situation to another



# Business Challenges of AI



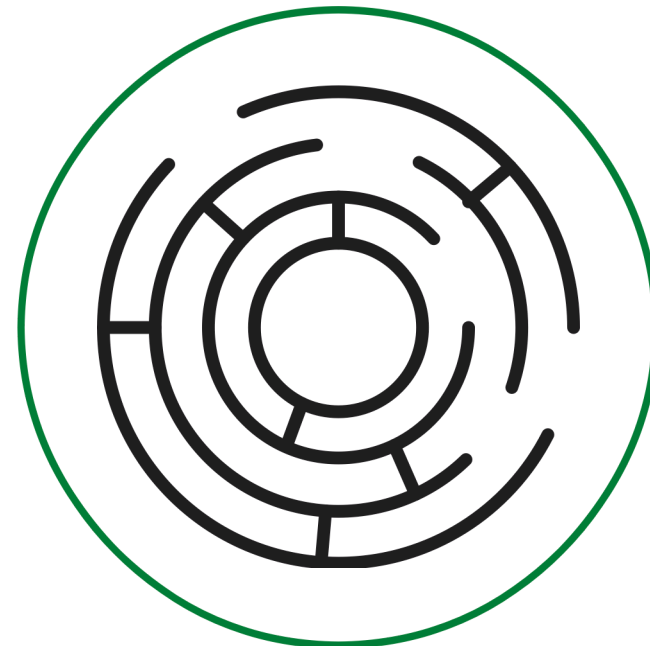
Novelty



High  
Expectations



Unclear  
Regulations



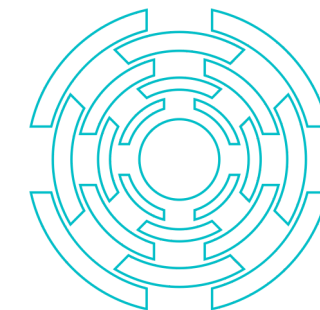
Right Team  
and Talent



Data



Bias and  
Opacity



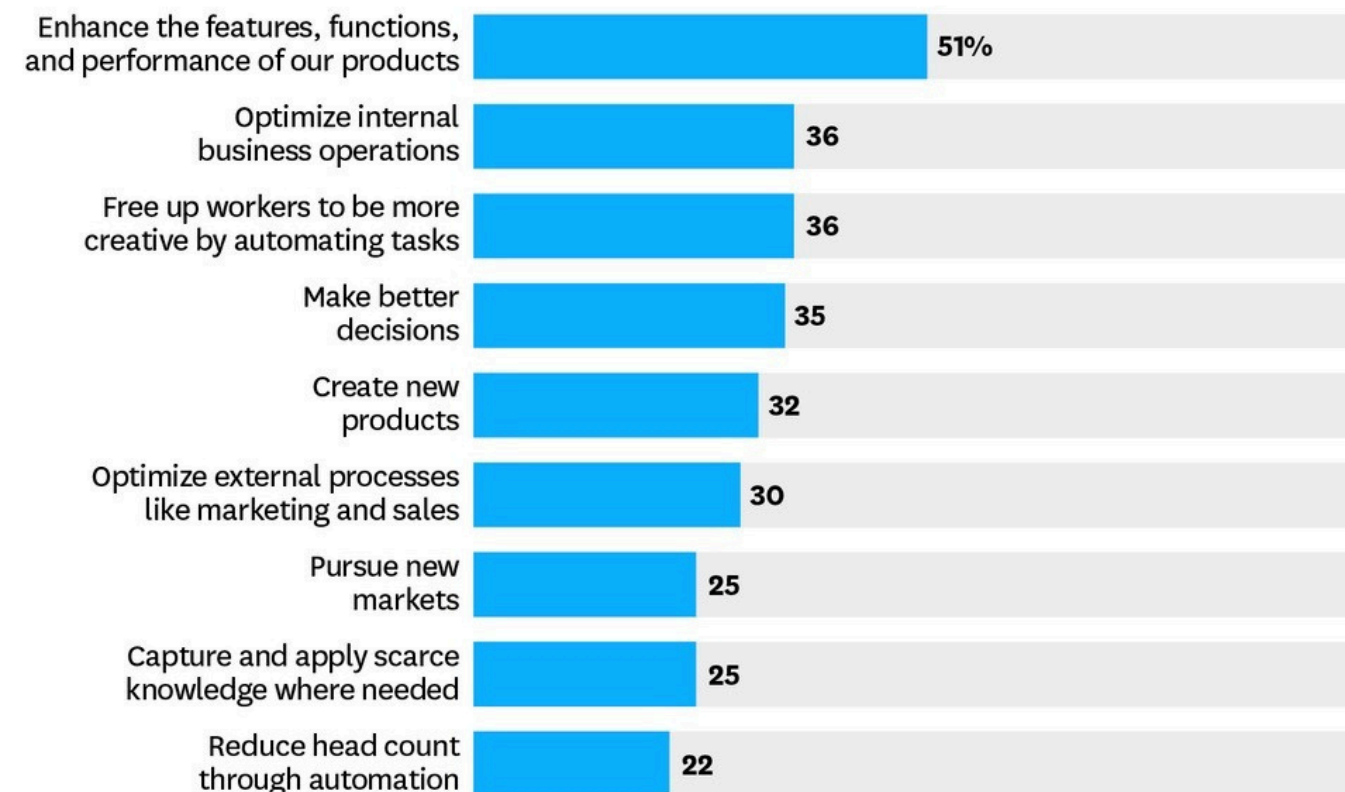


# There is a Hope: A survey report with Top executives

## The Business Benefits of AI

We surveyed 250 executives who were familiar with their companies' use of cognitive technologies to learn about their goals for AI initiatives. More than half said their primary goal was to make existing products better. Reducing head count was mentioned by only 22%.

### PERCENTAGE OF EXECUTIVES WHO CITE THE FOLLOWING AS BENEFITS OF AI



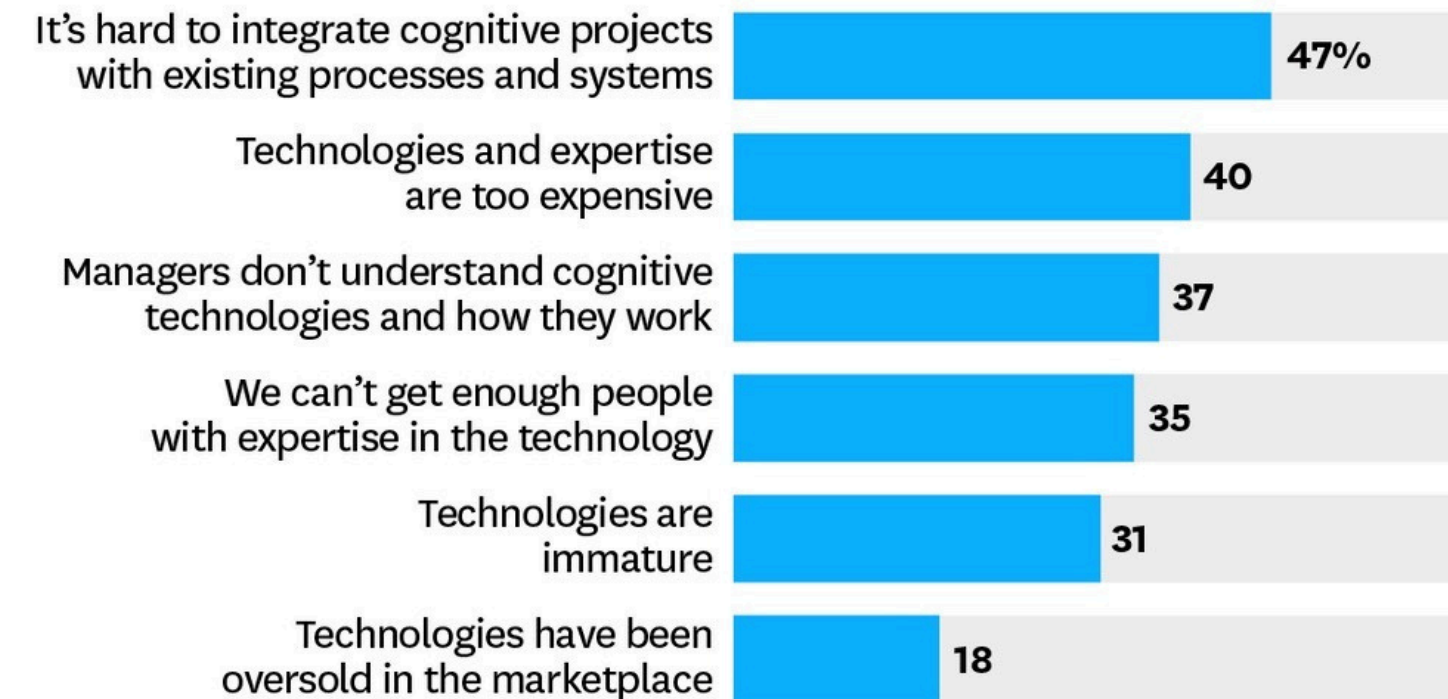
SOURCE DELOITTE 2017  
FROM "ARTIFICIAL INTELLIGENCE FOR THE REAL WORLD,"  
BY THOMAS H. DAVENPORT AND RAJEEV RONANKI, JANUARY-FEBRUARY 2018

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## The Challenges of AI

Executives in our survey identified several factors that can stall or derail AI initiatives, ranging from integration issues to scarcity of talent.

### PERCENTAGE WHO CITE THE FOLLOWING AS OBSTACLES



SOURCE DELOITTE 2017  
FROM "ARTIFICIAL INTELLIGENCE FOR THE REAL WORLD,"  
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# There is a Hope: A survey report with Top executives

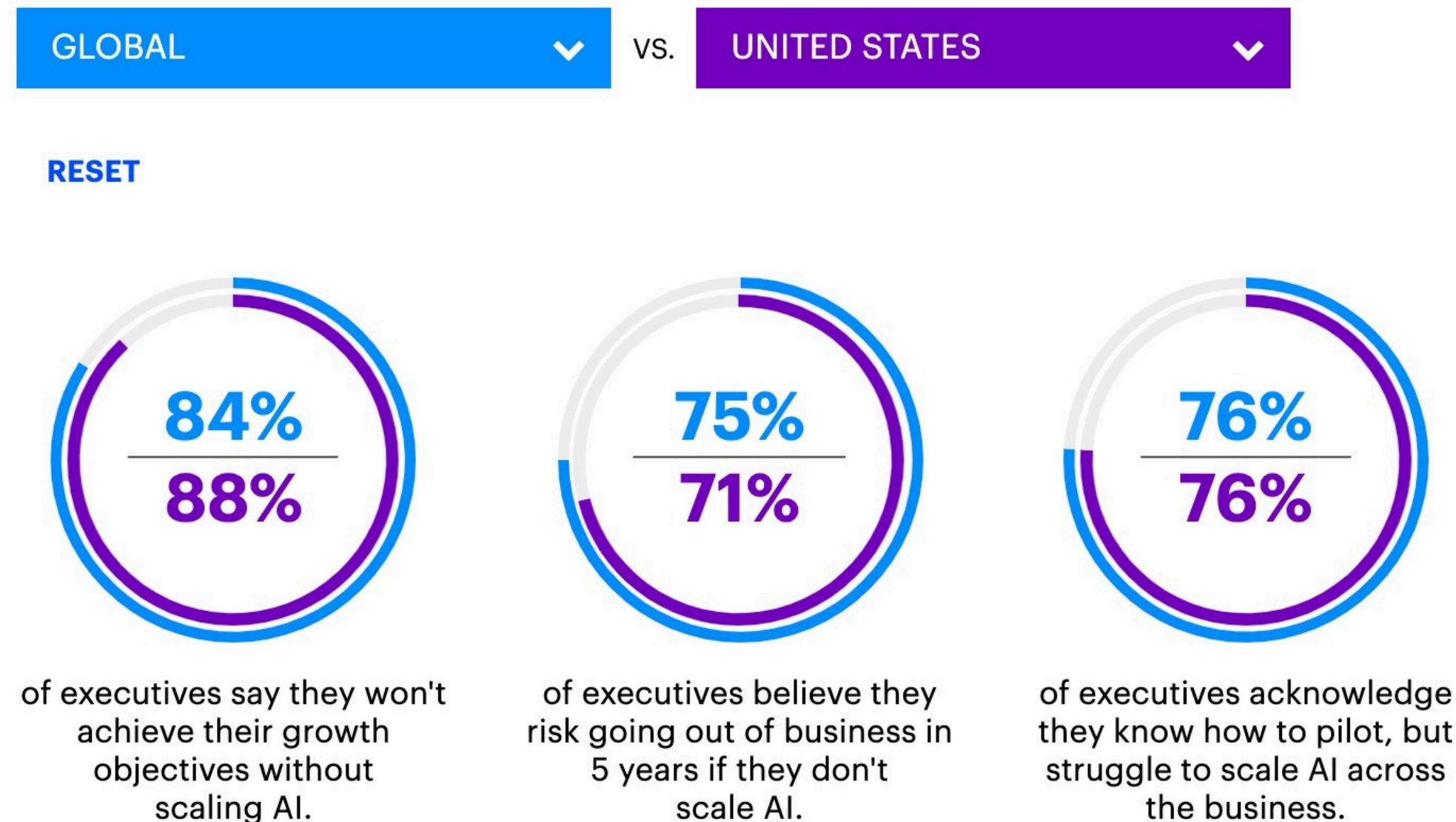


Image source: AI Built to scale, Accenture Research Report, Nov 2019





# Framework for Successful AI Business



## Technology

Understand the Technology



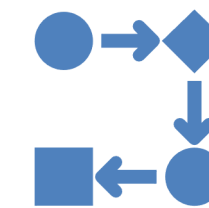
## Portfolio

Create a Portfolio



## Experiment

Don't hesitate in Experimentation



## Scale

Generate Business value



# Stay Connected!!

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<https://mylearnings.ai>



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