

Business of AI

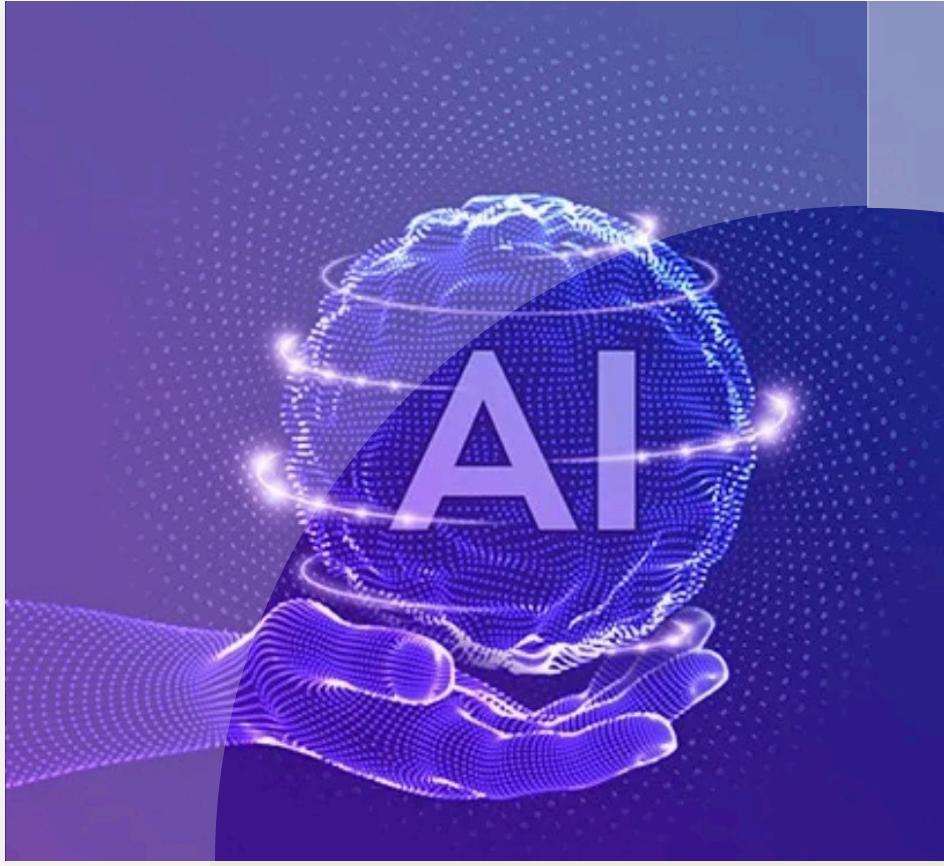
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Talk Outline

- 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



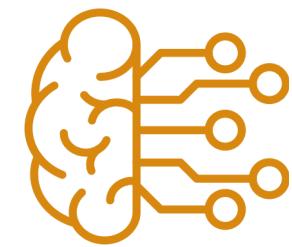
Data Science

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

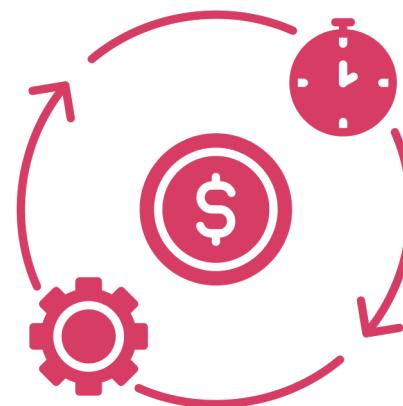


Increase Revenue



Create New Value

Business value of AI: How



Efficiency

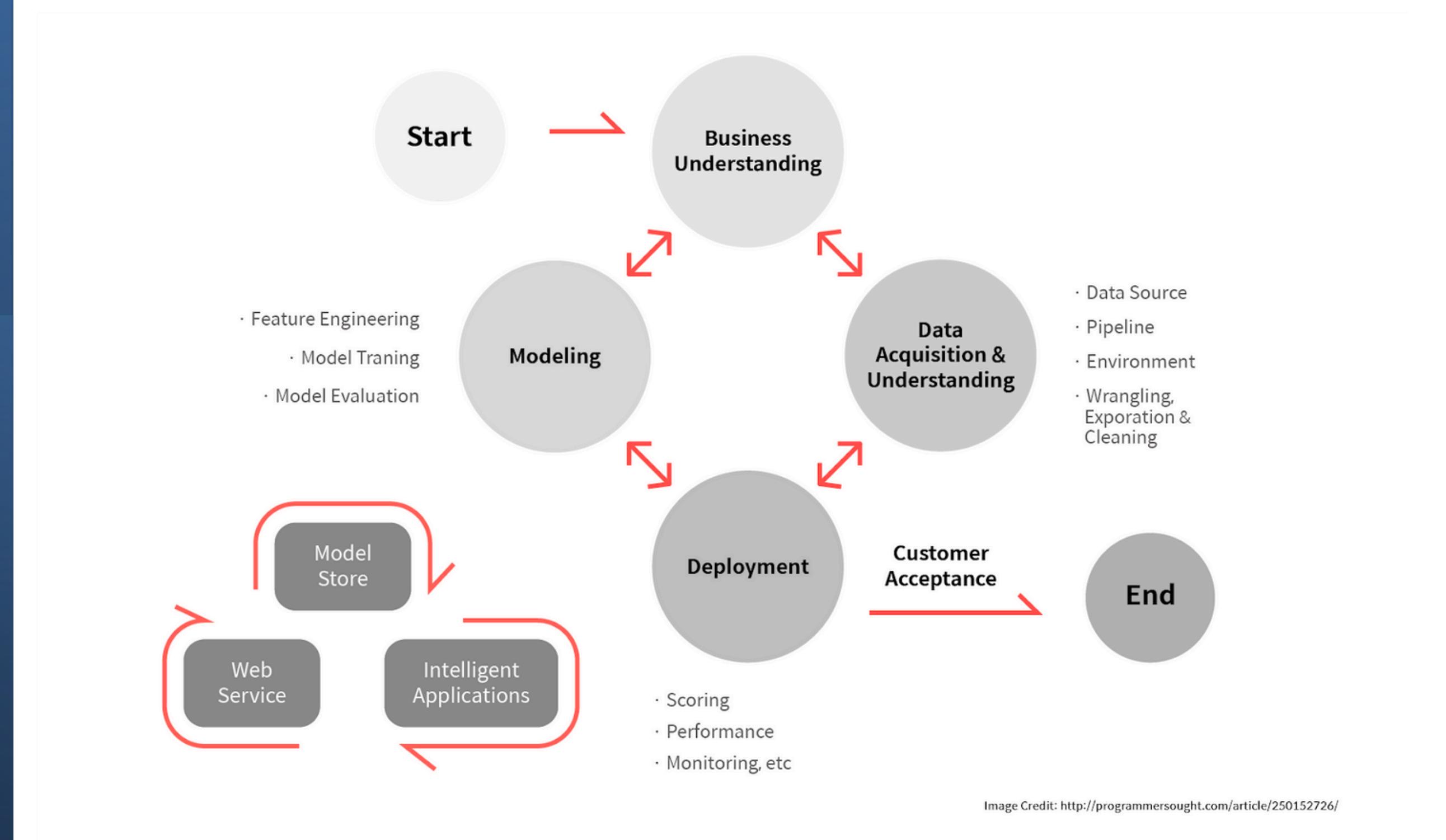
- Cheaper
- Faster



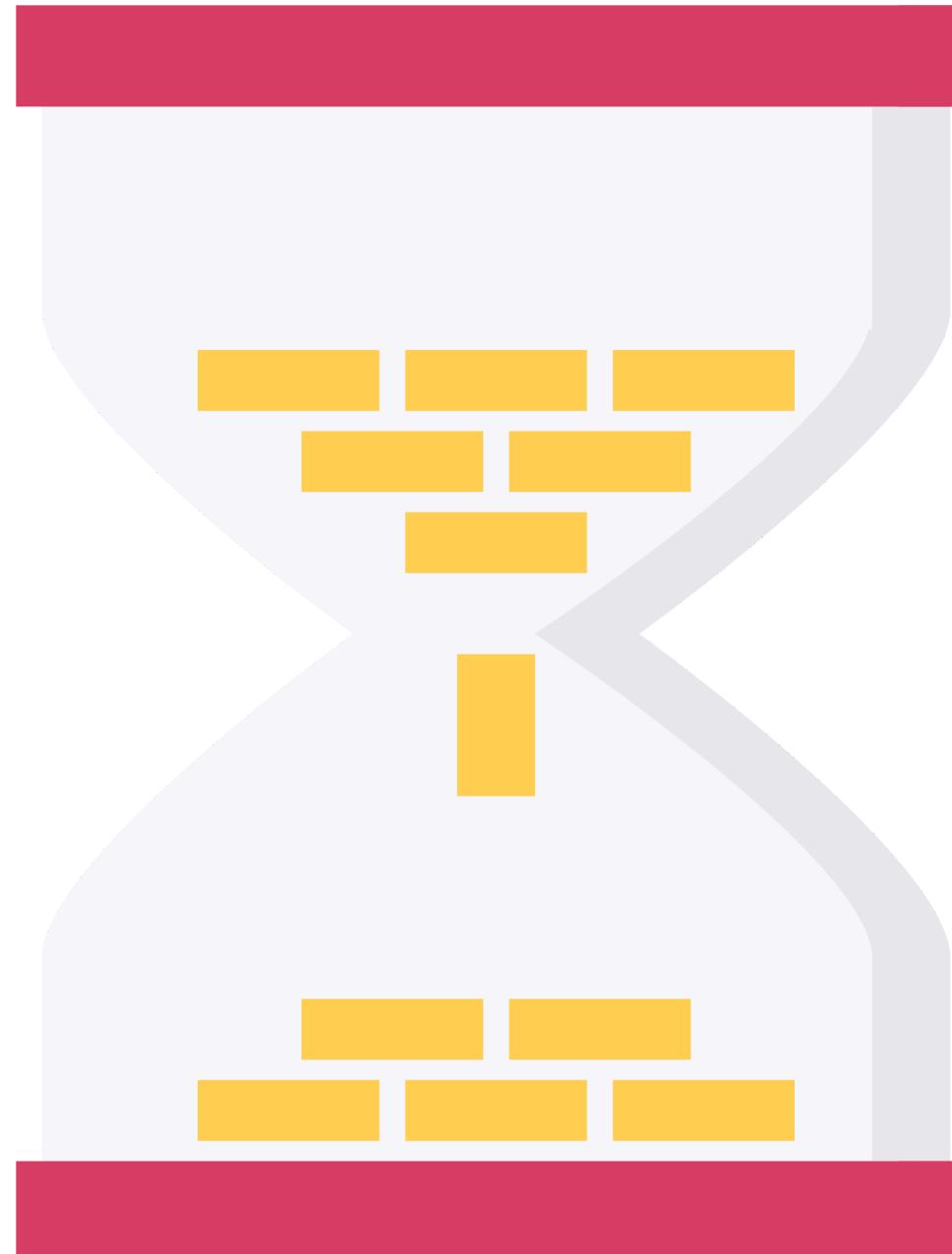
Create New Value

- New Business Model
- New Customer Segment

Process of Developing AI Applications



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

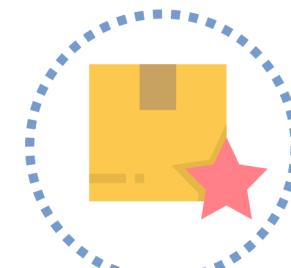
05 Domain

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



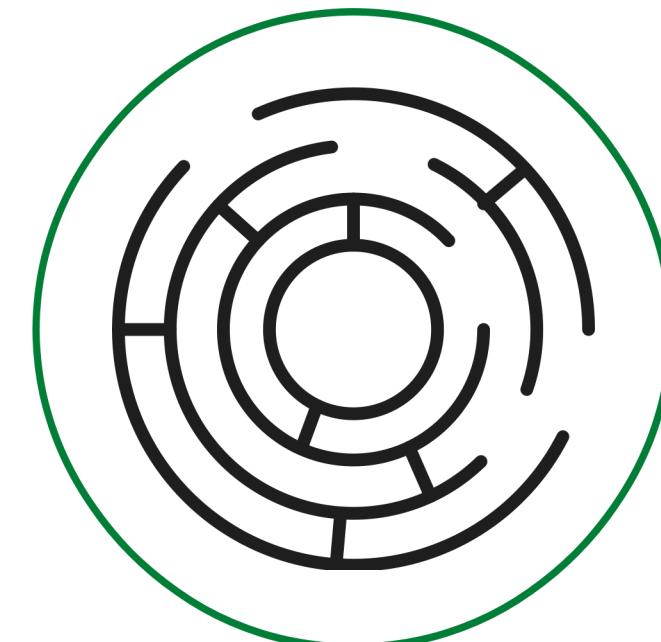
Novelty



High
Expectations



Unclear
Regulations



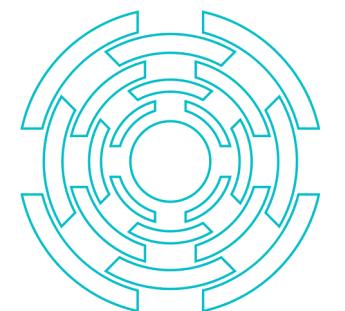
Right Team
and Talent



Data



Bias and
Opacity

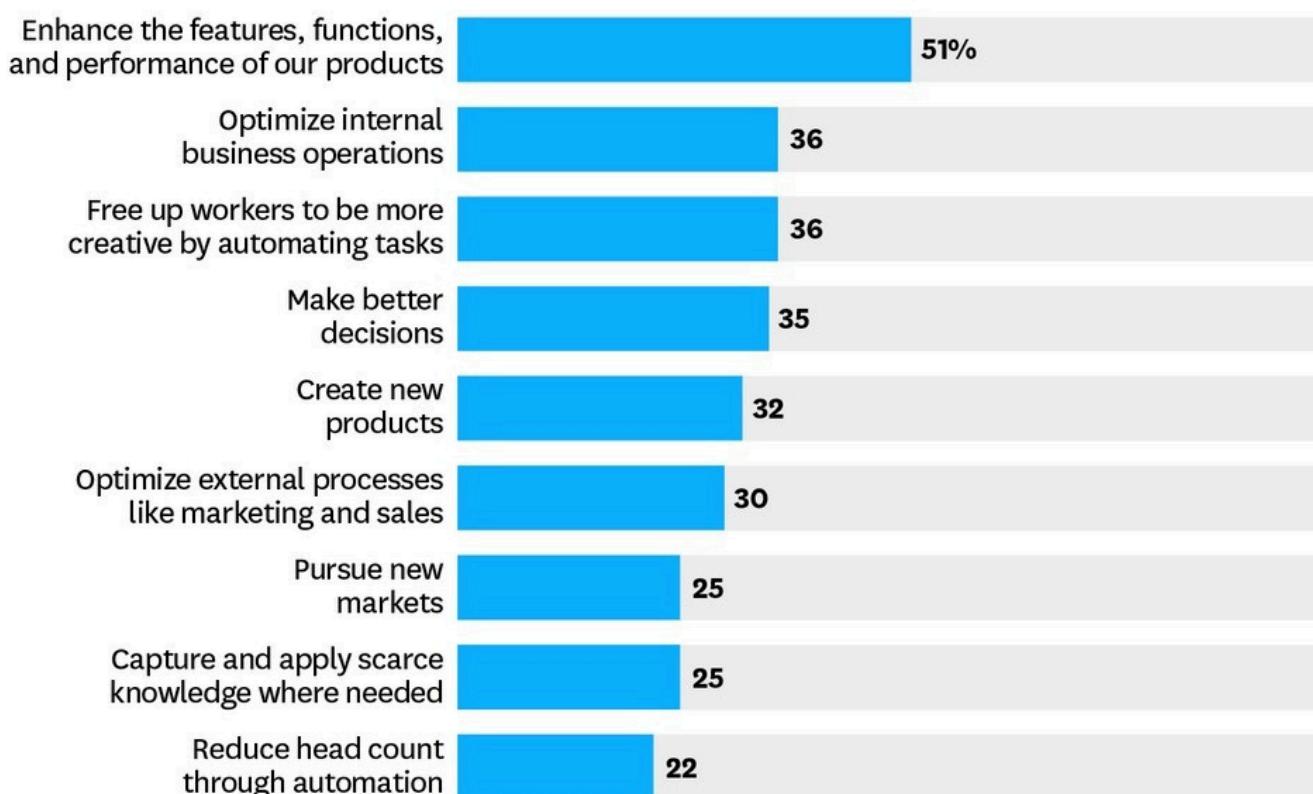


There is a Hope: A survey report with Top executives

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

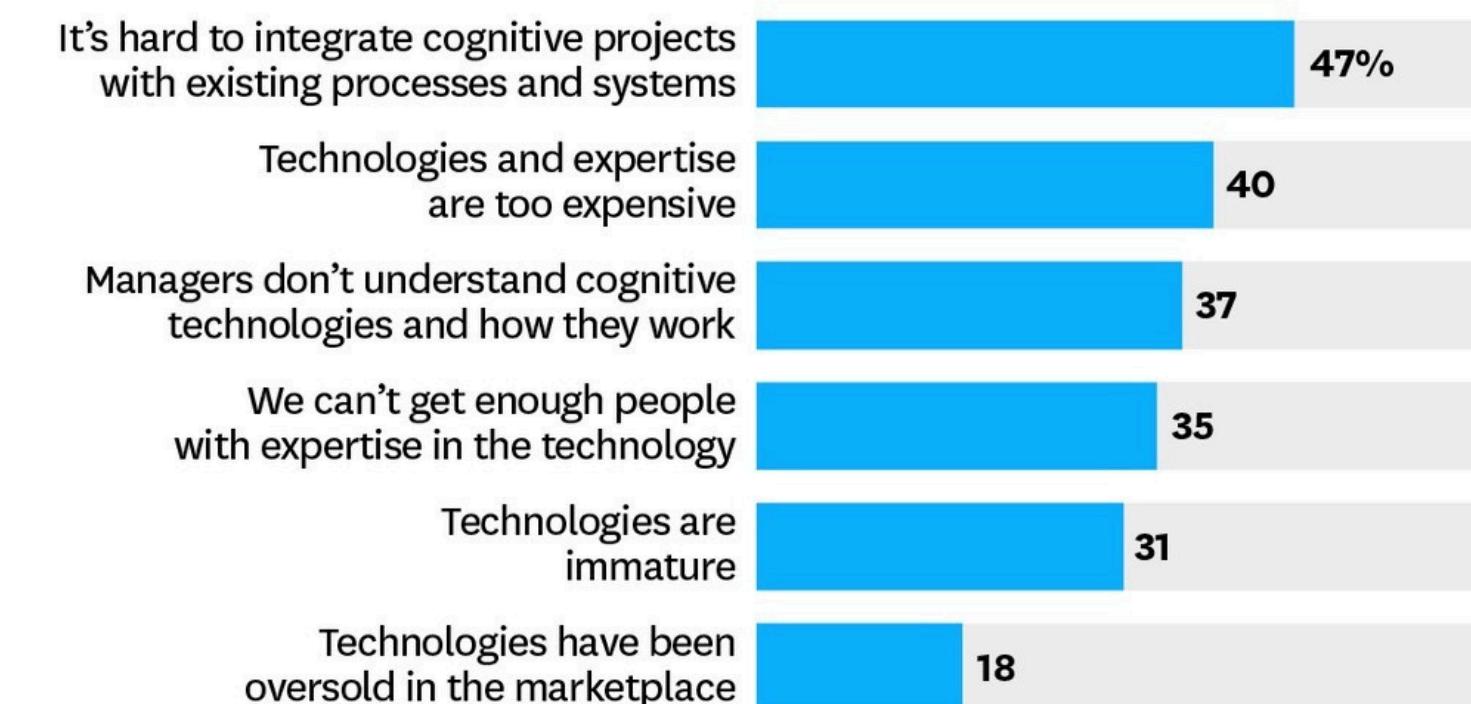


SOURCE DELOITTE 2017
FROM "ARTIFICIAL INTELLIGENCE FOR THE REAL WORLD,"
BY THOMAS H. DAVENPORT AND RAJEEV RONANKI, JANUARY-FEBRUARY 2018

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
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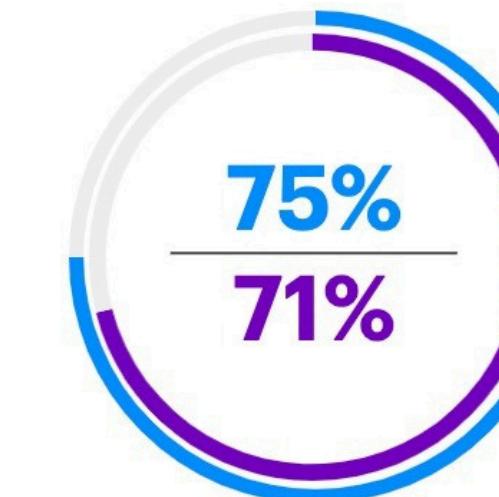
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GLOBAL  vs. UNITED STATES 

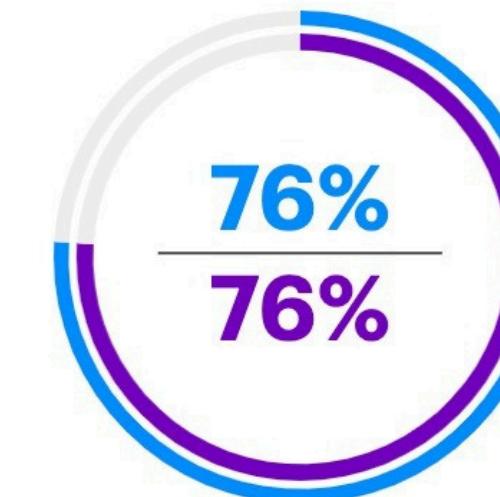
RESET



of executives say they won't achieve their growth objectives without scaling AI.



of executives believe they risk going out of business in 5 years if they don't scale AI.



of executives acknowledge they know how to pilot, but struggle to scale AI across the business.

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

Framework for Successful AI Business



Technology

Understand the Technology



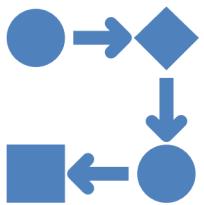
Portfolio

Create a Portfolio



Experiment

Don't hesitate in Experimentation



Scale

Generate Business value

Stay Connected!!

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