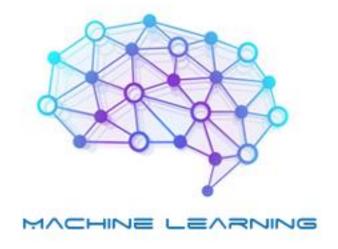




Unleashing Intelligence

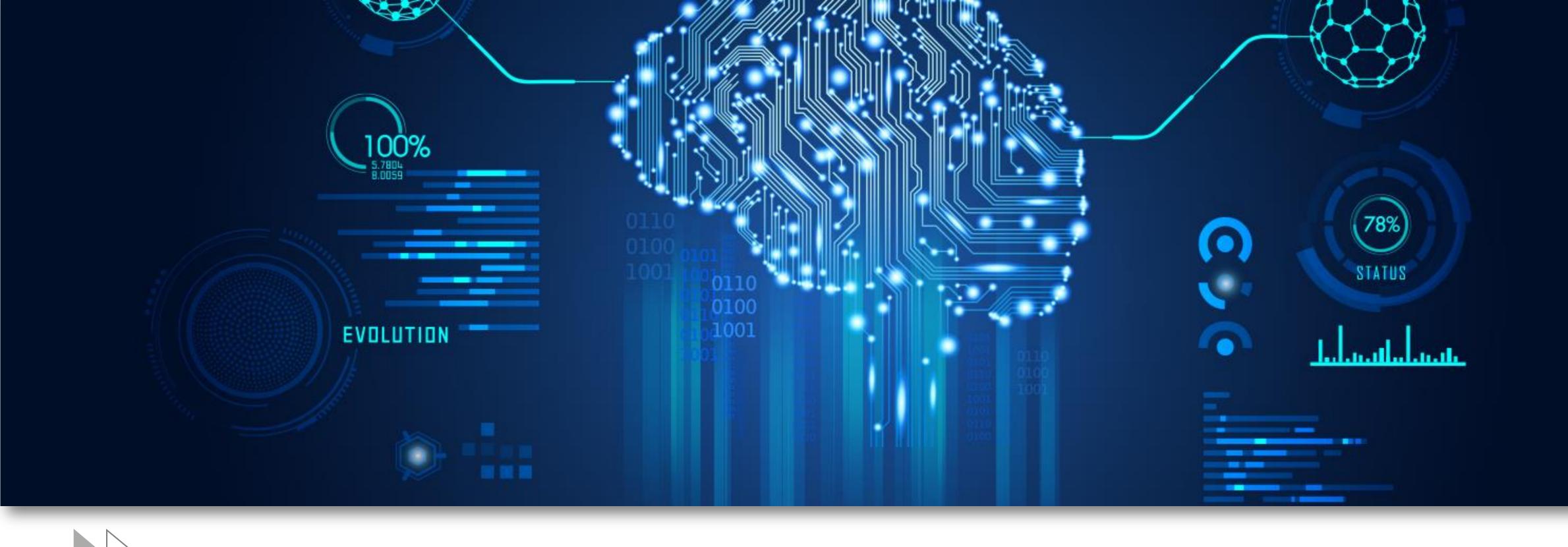




Machine Learning - Business Transformation Steps

by Ganesha Murugan

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Machine Learning is a branch of Artificial Intelligence (AI), that systems can learn and improve from experience, with the available data, identify patterns and make decisions with minimal or without human intervention.



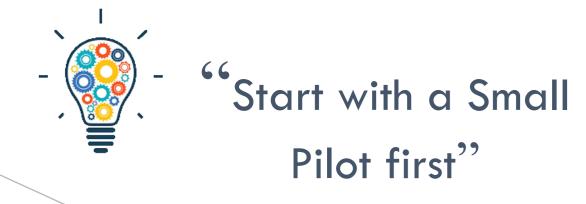


Turning Data into "Actionable Intelligence" for your business competitive advantage

SIX Steps for Applying Machine Learning

Small & Big Companies

4





Start with Business-Driven approach. Identify the problem you need results

2 Identify the required Data Set related to that identified issue

Analyze the data with relevant Data Science Team, clean & format it.

Choose the right Algorithm suitable for your business data set

Build and Train the model with available Test Data

Run the Model in Production get Scores and Findings

Data Science Team

These are the common title used in Organizations. The size of the team and required professionals depends on the ML adoption stage

Data Scientist

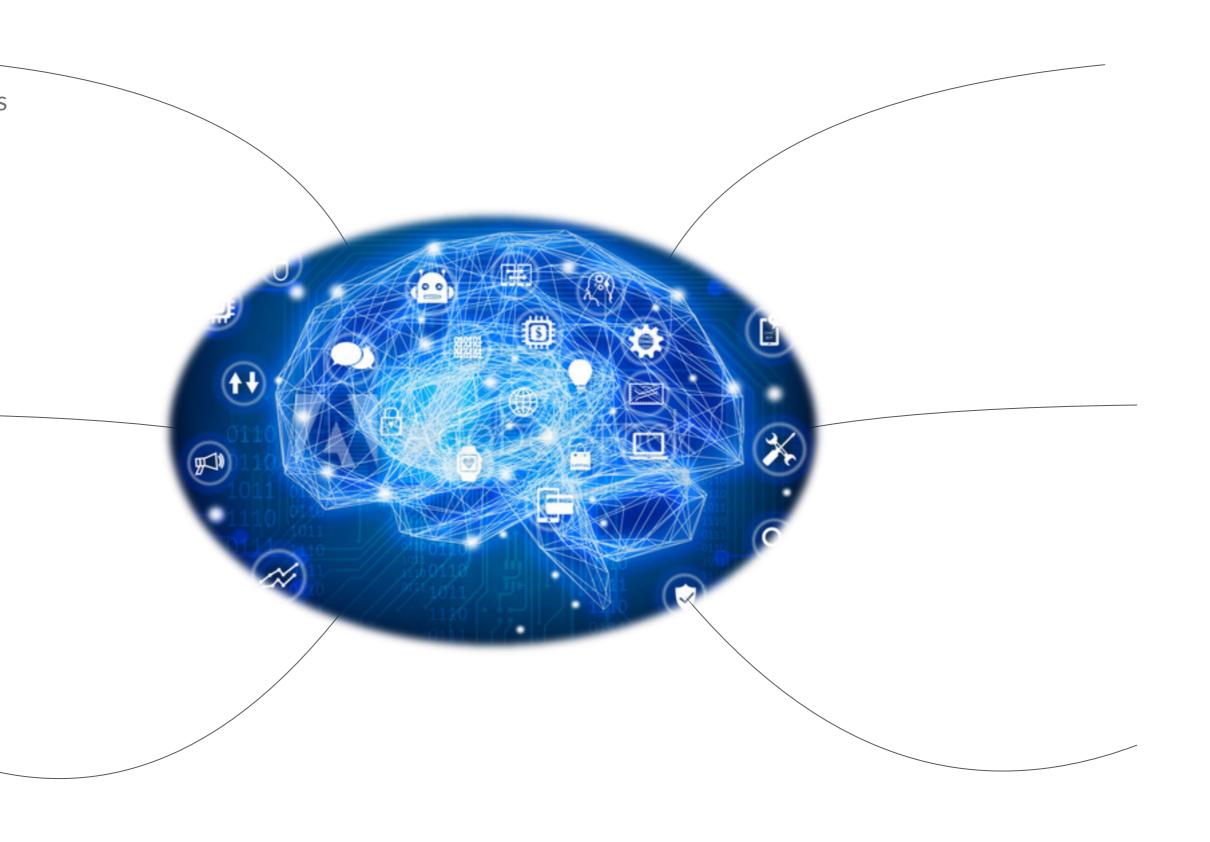
Key Data analyzer with statistical tools and decides on Data Models and Algorithms

Data Engineer

Collects the Data based on business requirements in alignment in business analyst

Data Analyst

Analyze and clean the data and prepare the required data set



Business Analyst

knows the business domain well and also Data analysis

Machine Learning Engineer

To programmatically build Models with

Algorithms

Python, R, and other tools

Deep Learning Engineer

Have programming as well as Neural Network knowledge



Build a team with a mix of skills. You want to make sure that you are balancing technical team members with business members.



• Pick a lead data scientist who is well versed in both programming and architectural principles. In addition, the individual must have proven leadership skills in order to direct the team to execute on business goals

• Bring in a business analyst who knows your industry as well as your company.

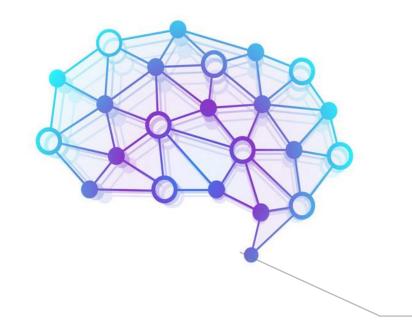
• Select representative business leaders who understand what they need to gain from the project

• Add subject matter experts to the team who really understand the details of how processes work and the nature of the data. These experts should collaborate with a data engineer who understands how to capture and process the data.

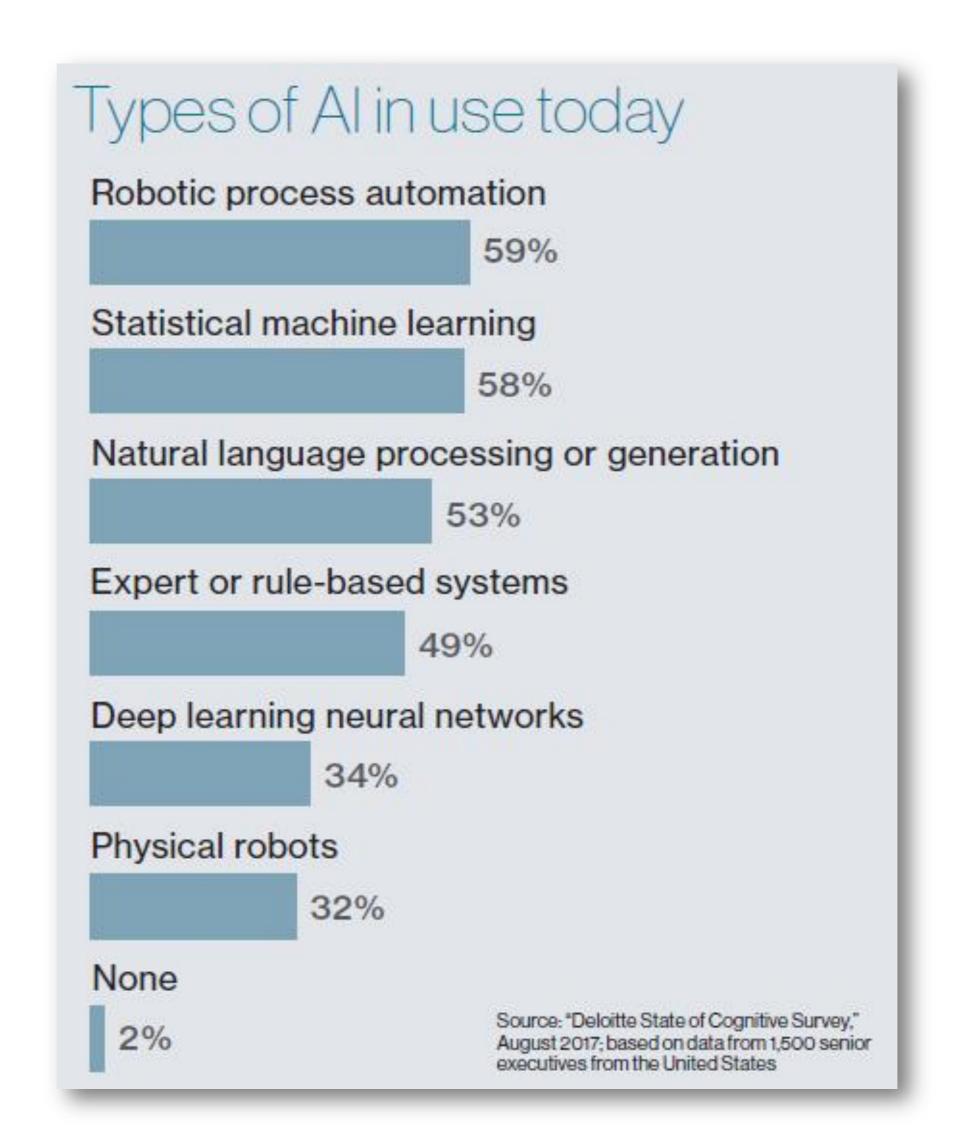
• Find consultants when needed who can help train the team on new languages or new tools that support the project goals.

• If your business is using ERP or CRM system, you already have good source of Data for training ML model

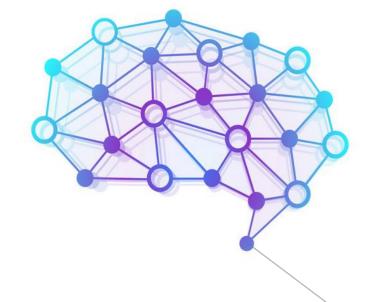
Types of Artificial Intelligence Usage in Business



Vision for intelligence,
autonomous analytics will grow
beyond decision making that
drives efficiency and
productivity to an innovation
agenda geared to competitive
advantage'



Key Advantages from Machine Learning Predictions



Understanding your customer's need than ever before

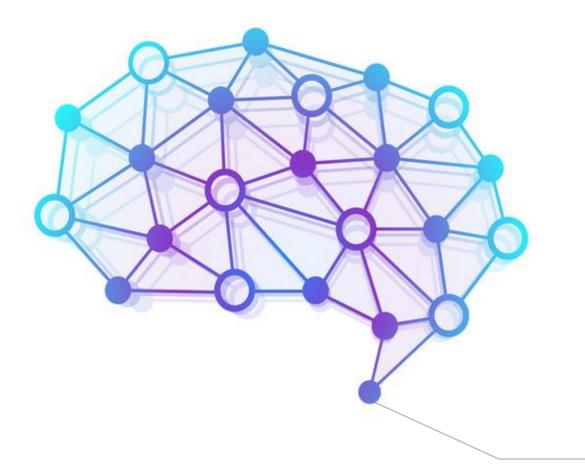
Predict better user Preferences & Behavior, optimize process, lead to up-selling and cross-selling

A good model with correct Data can predict accurate sales projection and finding new customers

Eliminate fraudulence and risks

Deep learning helps financial industry to automate trade strategies and make better trade decisions based on ML model findings

Data-driven decisions saves money, improve efficiency and ensures a secure business



THMHY YOU

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