

Digital Developer Conference

Data & AI

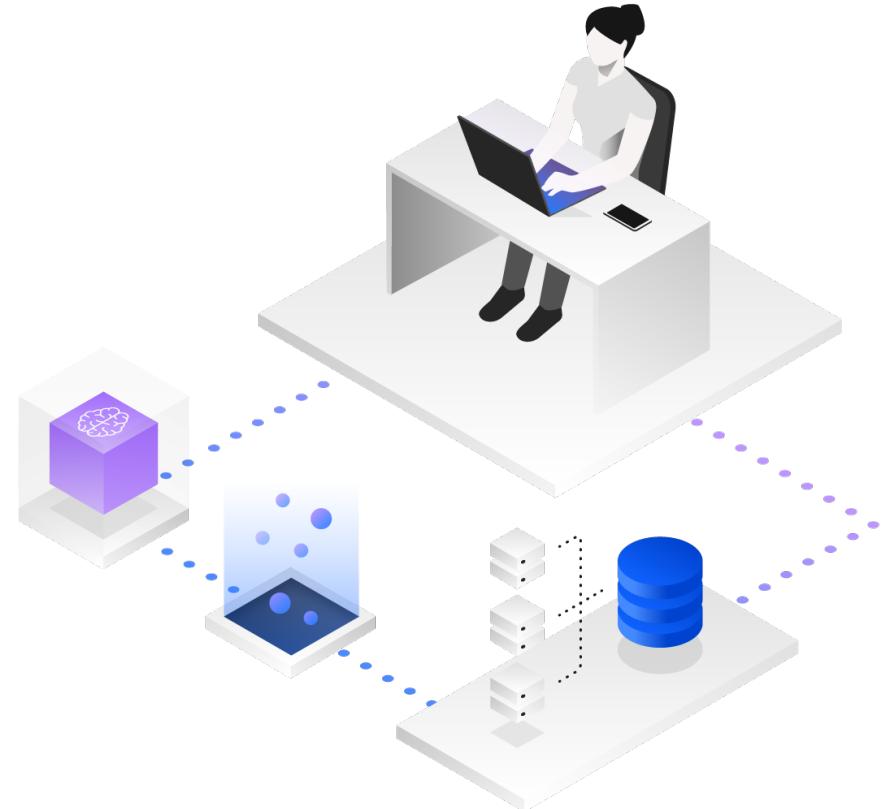
Learn industry-recognized data and AI skills from IBM experts, partners, and the worldwide community

Register for free and get ready to build smart and secure data and AI solutions with a focus on experimentation, eminence, and education. The IBM Developer ecosystem of experts, enthusiasts, and client partners have created a robust conference experience focused on exploring AI-centric solutions and platforms—dedicated to the worldwide community of developers, data scientists, and academia.

Conference begins
June 8

Learn more and register for free at ibm.biz/devcon-ai.

On-demand replays available after the event



Fraud Loan Predictions using Automated Machine Learning

Sbusiso Mkhombe

Developer Advocate, South Africa

Khalil Faraj

Developer Advocate, UAE

Get Started Here: ibm.biz/devcon-ai

Asset: ibm.biz/FraudLoanAutoAI

Survey: ibm.biz/MEA-DataAI-Survey

IBM Developer





Introduction to Serverless Applications on Red Ha... ⓘ

Starting in 4 hrs, 46 min & 10 sec

Thu, Jan 28, 2021 5:00 PM GST

View more info about this event

Developer Series

Cloud Native and
Red Hat OpenShift
Thursdays

IBM Developer

IBM

Workshop Resources

Get Started Here >

SHARE



Follow us to get notified
about upcoming events

chat with everyone!

Q&A here!

Ask a Question

People

101



+ Say something nice



Agenda

AI vs ML

- Machine Learning Process
- Machine Learning Types
- Main Challenges

04

What is AutoAI

05
06
07

AutoAI Features & Benefits

Hands-On

Useful Links

09

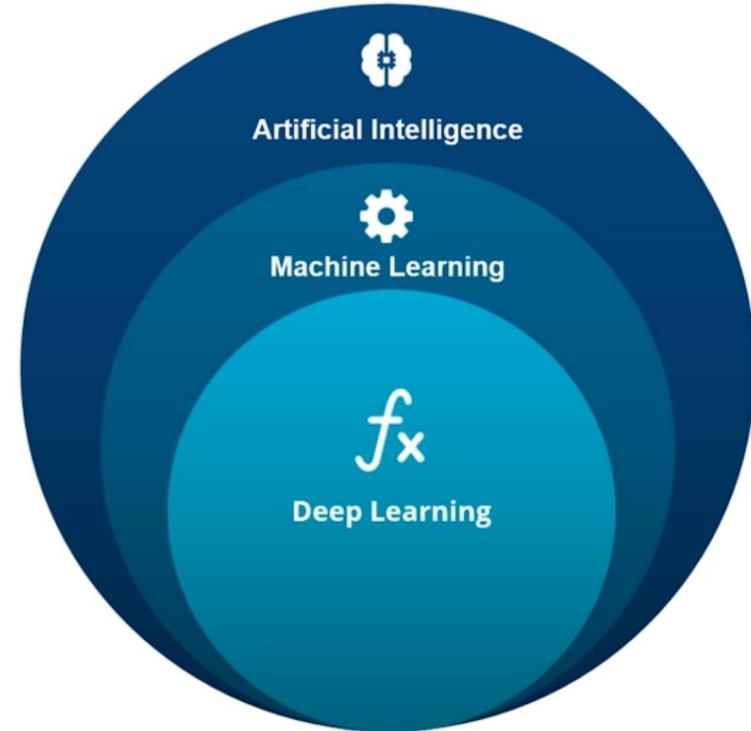
10

11

12

Artificial Intelligence vs Machine Learning

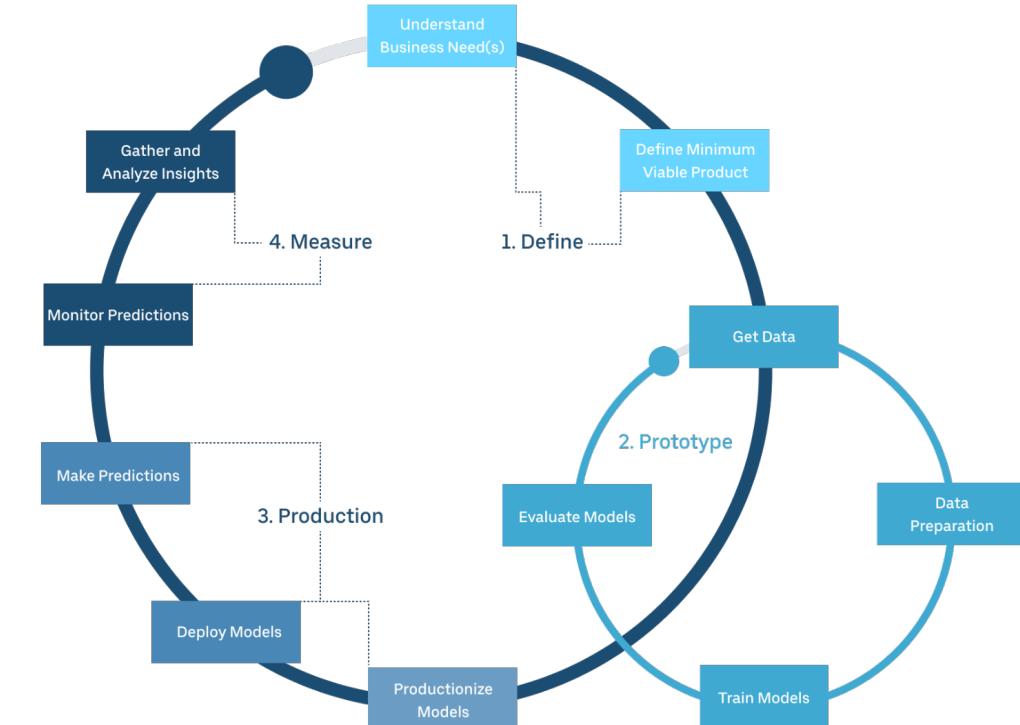
- **Artificial Intelligence** is the making of intelligent machines by enabling the machine to copy human behaviours.
- **Machine learning** is subset of AI uses statistics to enable machines to improve with experience.
- **Deep learning** is subset of machine learning that enables computers to solve more complex problems.



<https://www.edureka.co/blog/ai-vs-machine-learning-vs-deep-learning/>

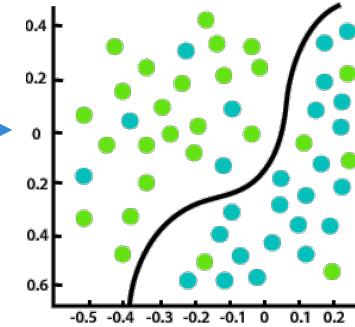
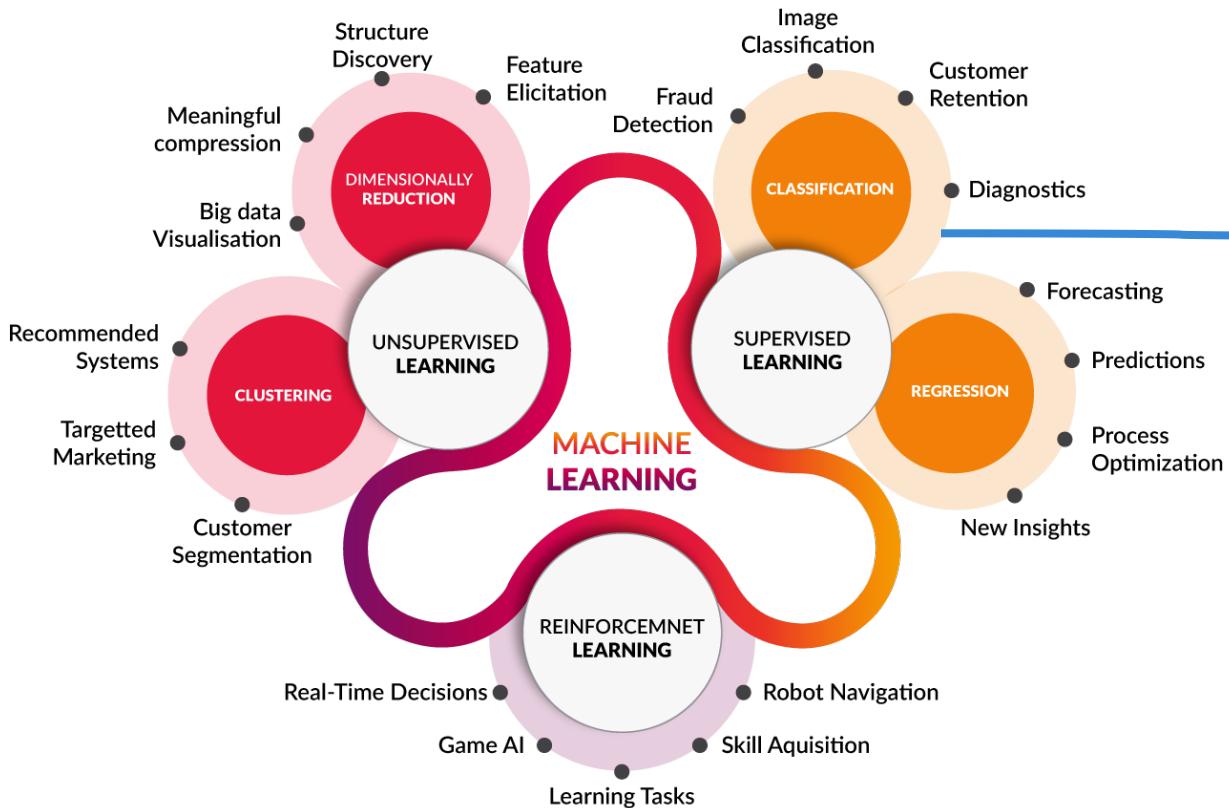
Machine Learning Process

- Define the problem and solution
- Develop and prototype the model
- Produce the model
- Measure the model



<https://www.kdnuggets.com/2020/07/some-things-uber-learned-machine-learning-scale.html>

Machine Learning Types

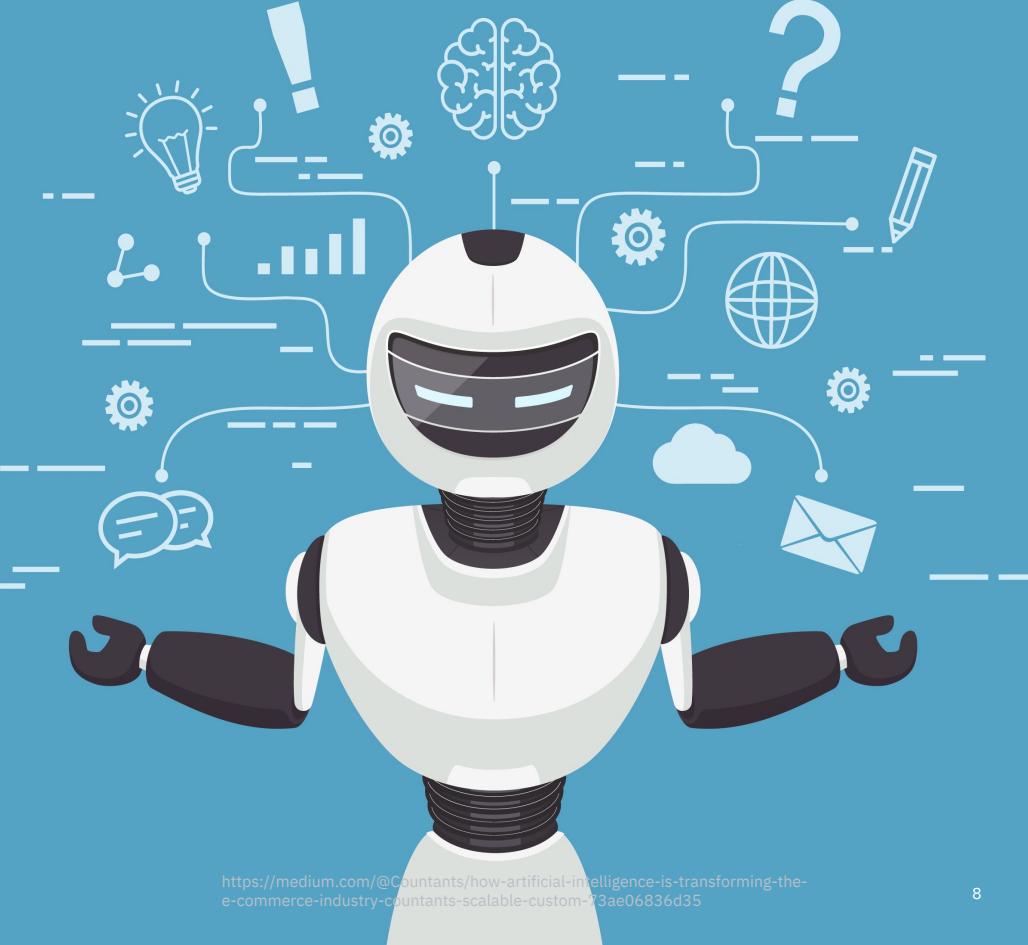


<https://laptrinhx.com/machine-learning-i-introduction-linear-regression-explained-3160564266/>

<https://towardsdatascience.com/coding-deep-learning-for-beginners-types-of-machine-learning-b9e651e1ed9d>

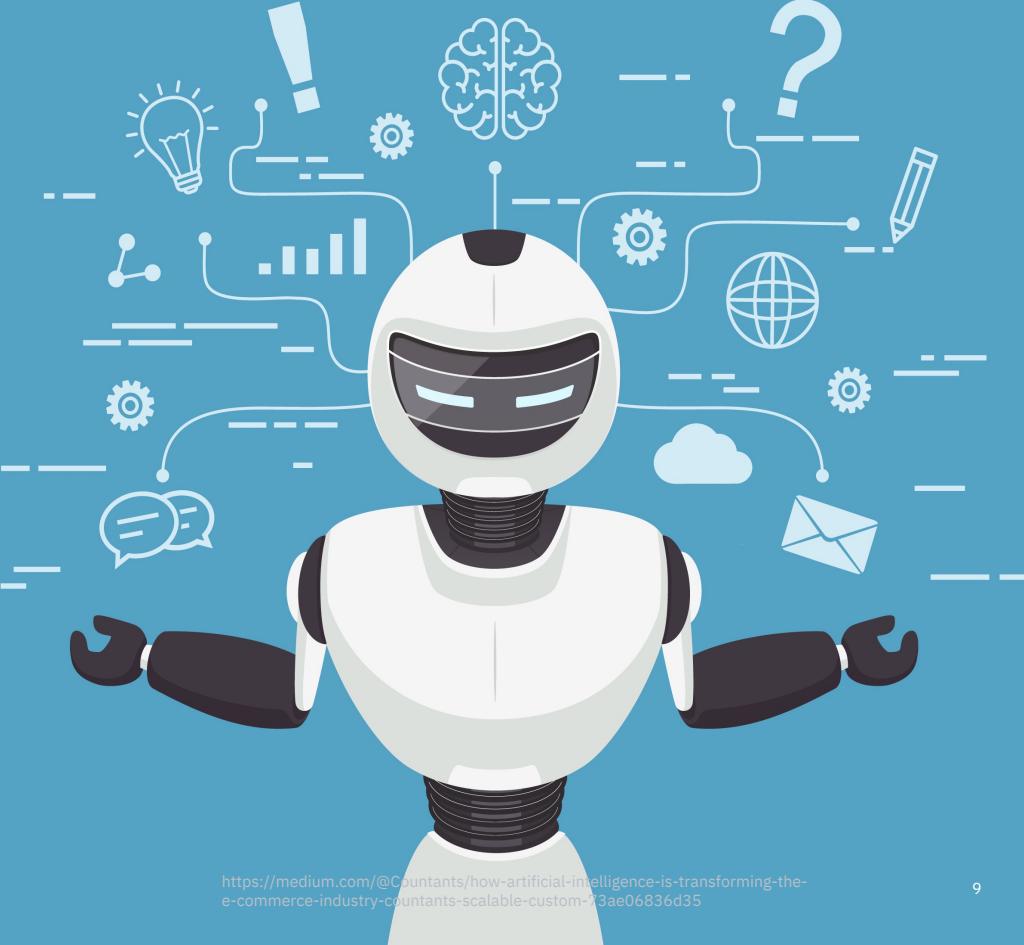
Main Challenges These Days

- High demand for data scientists and ML engineers
- Lack of skills to meet the demand
- Traditional ML techniques are time consuming and require a lot of effort

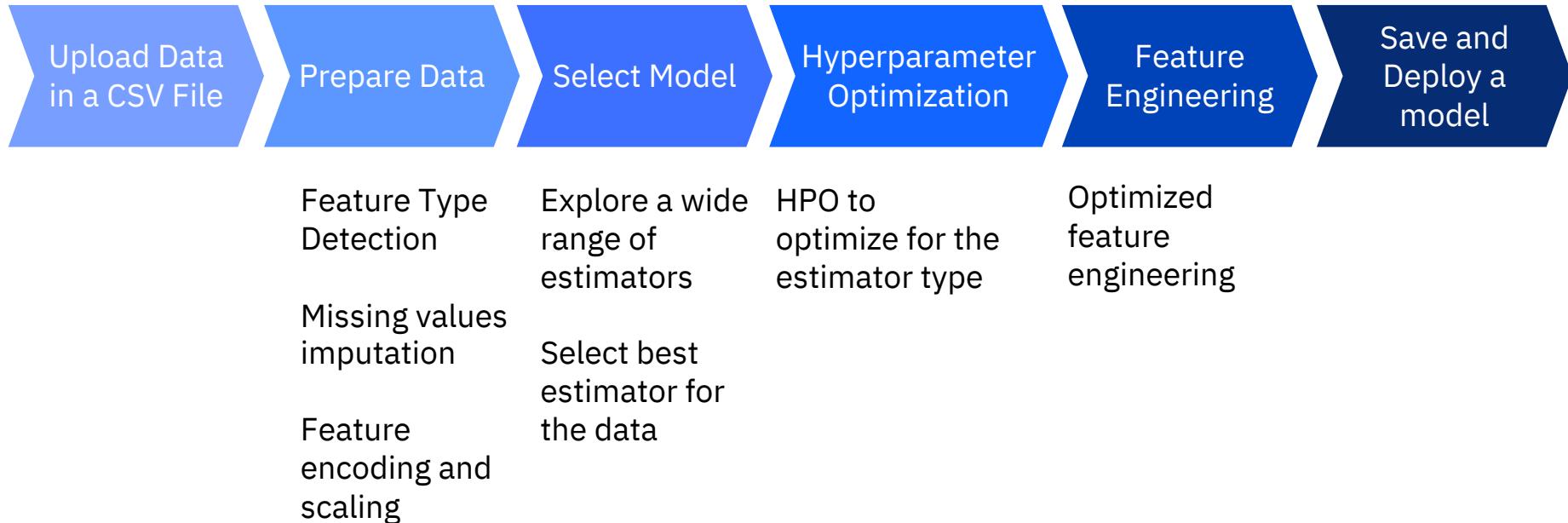


Traditional Machine Learning

- Data preparation
- Deciding on the right algorithm
- Requires strict resources
- Deployment Challenges



What is AutoAI?



AutoAI Features & Benefits



Build models faster

Save time manually prepping data and building models



Find signal from noise

Auto-feature engineering makes it easy to extract more predictive power from your data



Jump the skills gap

No coding? No problem – get started with a couple clicks



Rank and explore models

Quickly compare candidate pipelines to find the best model for the job



Discover more use cases

Embrace ML everywhere to disrupt and transform



Ready, set, deploy

Pipelines generated with AutoAI can be deployed to REST APIs with one click

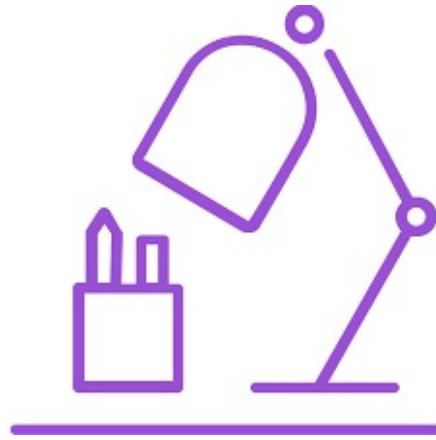
Hands On

- Sign up/Log in to your IBM Cloud Account ibm.biz/devcon-ai
- Follow along for the hands-on ibm.biz/FraudLoanAutoAI



Workshop

- Prepare data and build predictive ML models for fraudulent loan applications
- No coding required as we will be using AutoAI on Watson Studio (CP4D)
- Compare different models
- Save and deploy the best model on IBM Cloud



Useful Links

Learn - develop - connect

Get Started Here (ibm.biz/devcon-ai)

Hands-On Lab (ibm.biz/FraudLoanAutoAI)

IBM Developer (<https://developer.ibm.com/>)

Meetup (<https://www.meetup.com/IBM-Cloud-MEA/>)

Thank you.

Sbusiso Mkhombe

Developer Advocate

—

sbusiso.mkhombe@ibm.com

Khalil Faraj

Developer Advocate

—

khalil.faraj@ibm.com

SCAN ME



<https://ibm.biz/MEA-DataAI-Survey>

Digital Developer Conference

Data & AI

Learn industry-recognized data and AI skills from IBM experts, partners, and the worldwide community

Register for free and get ready to build smart and secure data and AI solutions with a focus on experimentation, eminence, and education. The IBM Developer ecosystem of experts, enthusiasts, and client partners have created a robust conference experience focused on exploring AI-centric solutions and platforms—dedicated to the worldwide community of developers, data scientists, and academia.

Conference begins
June 8

Learn more and register for free at ibm.biz/devcon-ai.

On-demand replays available after the event

