

IBM Developer Series

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Cloud Native Thursdays

Data Science Fridays

Red Hat OpenShift Saturdays

AI Sundays

meetup.com/IBM-Cloud-MEA/

IBM Developer

Built a Predictive Model for Writing Apps Using Cloud Functions / September 4 / © 2020 IBM Corporation



Build a Twitter Predictive Model with AutoAI and Cloud Functions

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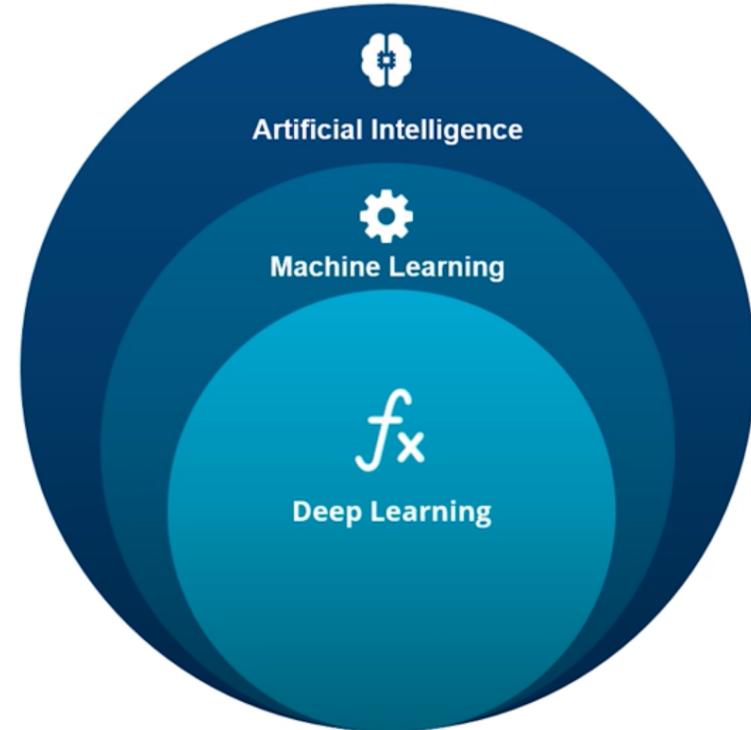
Get Started Here: ibm.biz/TwitterAutoAI

Agenda

AI vs ML	04	Hands-On	12
Main Challenges	05	Useful Links	13
What is AutoAI?	06		
Serverless Computing	08		
Serverless Use Cases	10		
IBM Cloud Functions	11		

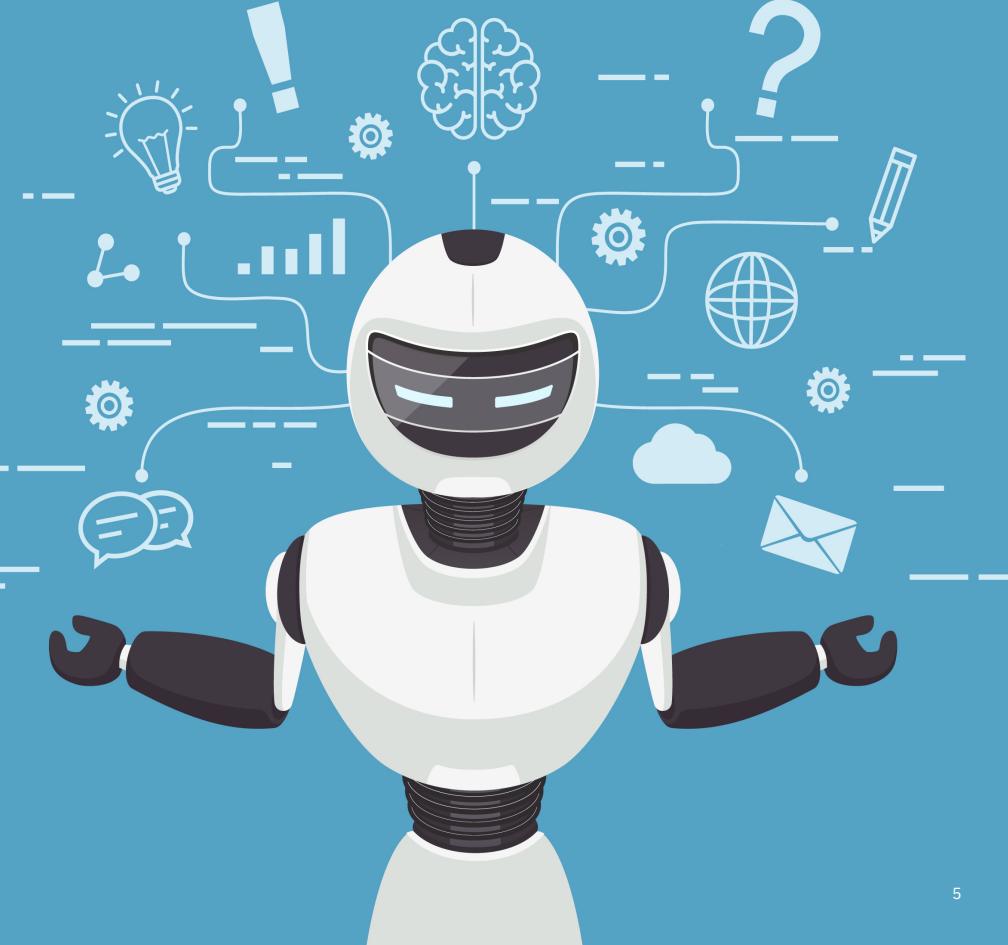
Artificial Intelligence vs Machine Learning

- **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.

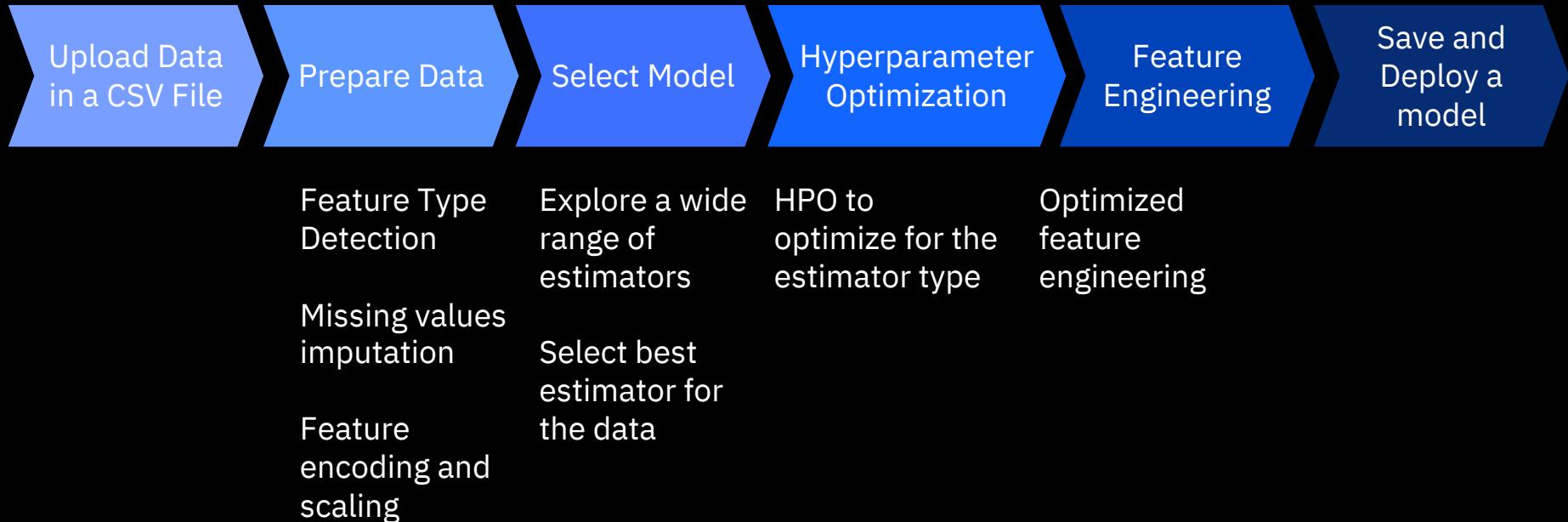


Main Challenges These Days

- 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



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

Serverless Computing

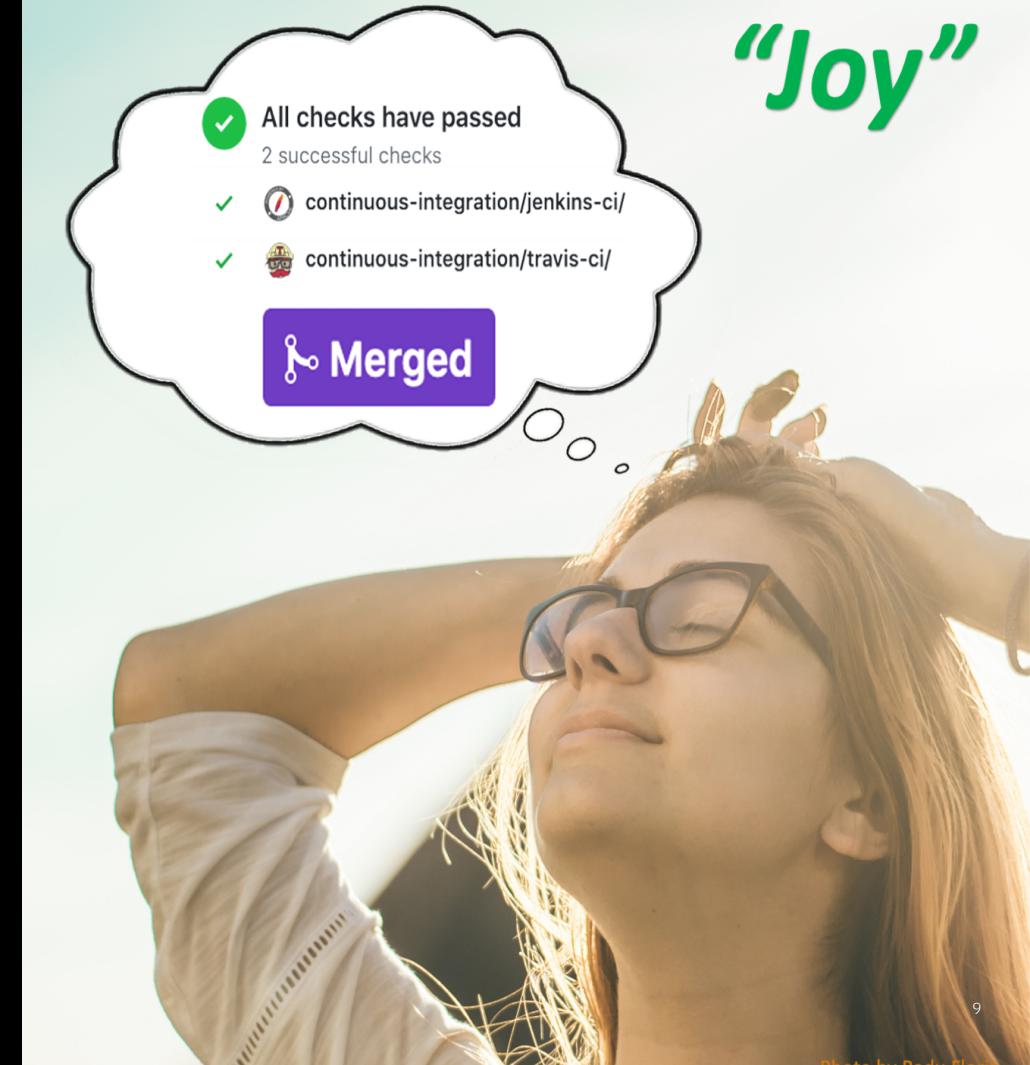
- Does not mean no servers!
- Servers are managed by cloud provider
- Pricing is calculated based on Pay-as-you-go



Serverless handles OPS

Serverless takes out ops and provides:

- Scaling
- Low latency
- High availability
- Multi-region
- Monitoring
- Logging
- Security



Serverless Use Cases

Here are some of use cases for serverless but not limited to:

- Batch jobs
- Mobile backends (Rest APIs)
- Chat bots
- IoT Sensors
- Multimedia processing
- Database changes



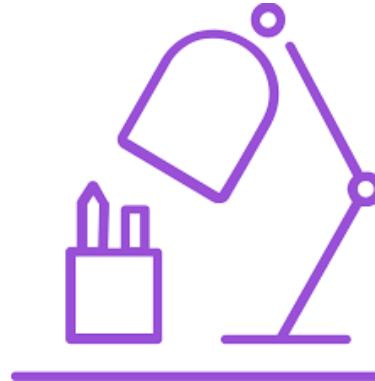
IBM Cloud Functions

- FaaS programming platform
- Accelerate development
- Code reuse, simplifying migration
- Leverage the benefits of cognitive services
- Some supported languages are:
Node.js, Python, Ruby, PHP, Ruby, Swift



Hands On

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



Useful Links

Learn - develop - connect

Get Started Here (<https://ibm.biz/TwitterAutoAI>)

Hands-On Lab (<https://ibm.biz/TwitterAutoAILab>)

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

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

Thank you.

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