Azure Machine Learning for everyone

Your Feedback

1. Every feedback form submitted will be entered into a draw for the attendees to win a great prize.

2. For every 10 feedback forms we receive we will donate a sapling to the National Trust https://www.nationaltrust.org.uk/features/plant-a-tree and we want to plant enough to fill an area the size of a football pitch

3. To Improve Session

https://sqlb.it/?6984

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Your contacts

- Linkedin:
https://www.linkedin.com/in/alpabuddhabhatti/

Your sites

- Slideshare:
Home · alpaBuddhabhatti/SQLBits2020 Wiki (github.com)
- GitHub:
 alpaBuddhabhatti/SQLBits2020 at ADF (github.com)

Microsoft Certified Trainer 2021-2022
Microsoft

Microsoft Certified: Azure Data Engineer Associate
Microsoft

Microsoft Certified: Azure Data Scientist Associate
Microsoft

Microsoft Certified: Azure Developer Associate
Microsoft

Agenda

1. Machine learning and Azure Machine Learning

   ✓ What is Machine Learning (ML)?
   ✓ What is Azure Machine Learning (ML)?
   ✓ Why we need Azure Machine Learning (ML)
   ✓ Steps to create Machine Learning Model
   ✓ Azure Machine Learning Designer Tour!!!

2. DEMO

   ✓ Azure ML Studio – Using a classification models to predict approval of loans
   ✓ Test a Machine Learning Model using Postman
   ✓ Consume a Machine Learning Model using Azure Data Factory

1. Machine Learning

What is Machine Learning?

A Computer Program/system that can learn from

"Experience" ⟷ **Data or Examples**

It finds pattern from experience and able to make predictions about the future.

Without being explicitly programmed or told to do

What is Azure Machine Learning ?

It is a **cloud-based service** for creating and managing **Machine Learning** solutions

Why Azure Machine Learning?

- ✓PAAS Service
- ✓No Code, Low code, Code First
- ✓In Built – Algorithms
- ✓Speed up Data science process
- ✓Deployment

Steps to create Machine Learning Model

1. Data Processing
2. Feature Selection
3. Split Data
4. Train Model
5. Score Model
6. Evaluate Model

2. DEMO

DEMO –

Approval for a loan using Machine

Learning Designer

DEMO -

Consume a Machine Learning Model using

Azure Data Factory

DEMO -

Test a Machine Learning Model Using

Postman

Conclusion

✓Azure Machine Learning

✓Steps to create a Machine Learning model

✓Approval for a loan using AML studio

✓Test Machine Learning Endpoint using Postman

✓Consume Machine Learning Endpoint using Azure Data Factory

Thank you

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Questions !!!

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Useful links