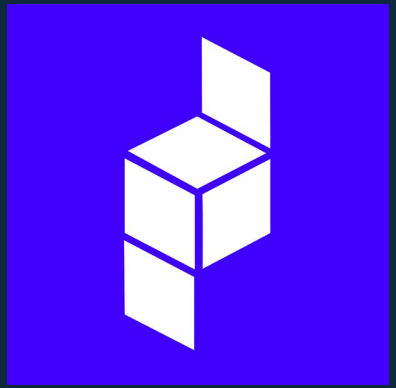
HOW TO MAKE MACHINE LEARNING MODELS QUICK AND EFFICIENT WITH AZURE ?

organizado por: PYDATA LA PAZ

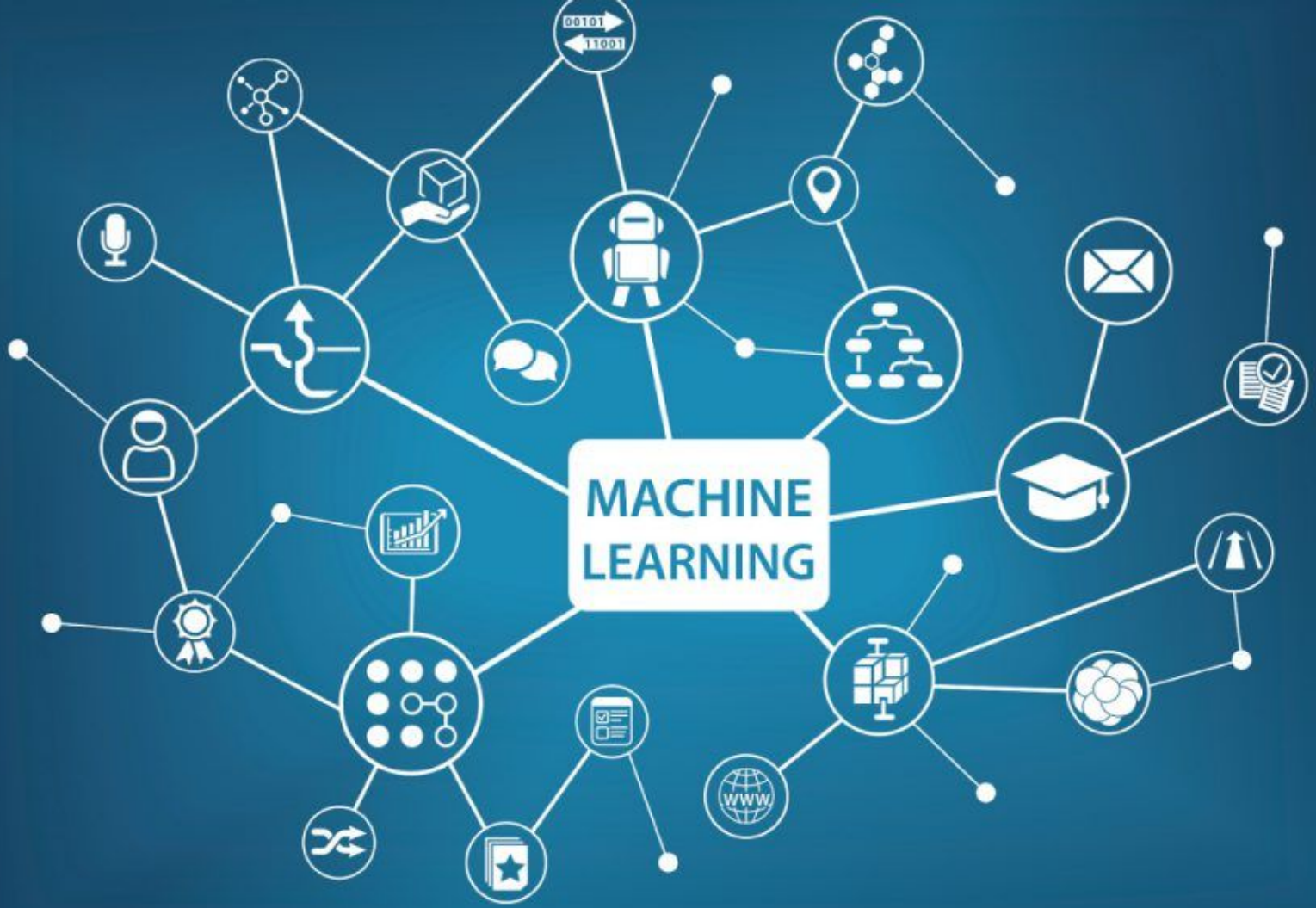


Hi!
my name is:

Angel Ariel Camargo Mamani

Developer

WHAT IS MACHINE LEARNING?


00101
11001
MACHINE
LEARNING
WWW

CLOUD?


1010101010
0010101010
1010101000
1010
1001010111
1110100100
0100011101

MACHINE LEARNING TODAY

EXPENSIVE?

DATA IN SILOS

DISCONNECTED TOOLS

DEPLOYMENT COMPLEXITY

SOLUTIONS WITH AZURE

COMPLETELY MANAGED

CONNECTED

TOP MODELS + R + PYTHON

Experiments - Microsoft Azure M

studio.azureml.net/Home/ViewWorkspaceCached/6db3afca8aaf4c94b2437a1fbb76c098#Workspaces/Experiments/Experiment/Draft/ViewExperiment

Incógnito (3)

Microsoft Azure Machine Learning Studio

arielxime12-Free-Workspa...

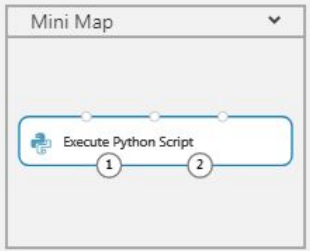
Search experiment items

- Data Format Conversions
- Data Input and Output
- Data Transformation
- Feature Selection
- Machine Learning
- OpenCV Library Modules
- Python Language Modules
  - Execute Python Script
- R Language Modules
- Statistical Functions
- Text Analytics
- Time Series
- Web Service

Experiment created ...

In draft

Draft saved at 15:44:57



Properties Project

Execute Python Script

Python script

```
# The script MUST contain a function named azureml_main
# which is the entry point for this module.

# imports up here can be used to
import pandas as pd

# The entry point function can contain up to two input argum
#   Param<dataframe1>: a pandas.DataFrame
#   Param<dataframe2>: a pandas.DataFrame
def azureml_main(dataframe1 = None, dataframe2 = None):

    # Execution logic goes here
    print('Input pandas.DataFrame #1:\r\n\r\n{0}'.format(dat

    # If a zip file is connected to the third input port is
```

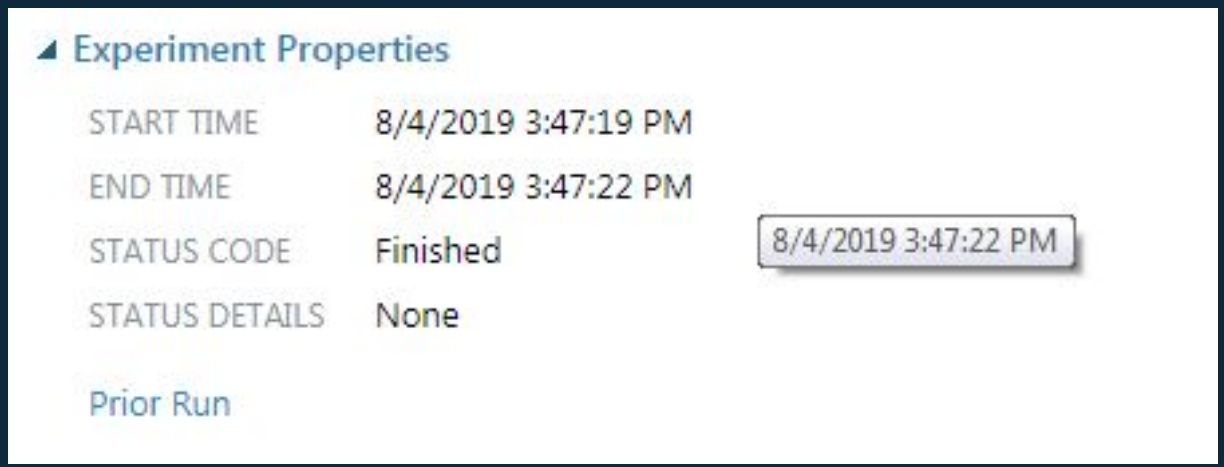
Quick Help

Executes a Python script from an Azure Machine Learning experiment
(more help...)

NEW | RUN HISTORY | SAVE | SAVE AS | DISCARD CHANGES | RUN | SET UP WEB SERVICE | PUBLISH TO GALLERY

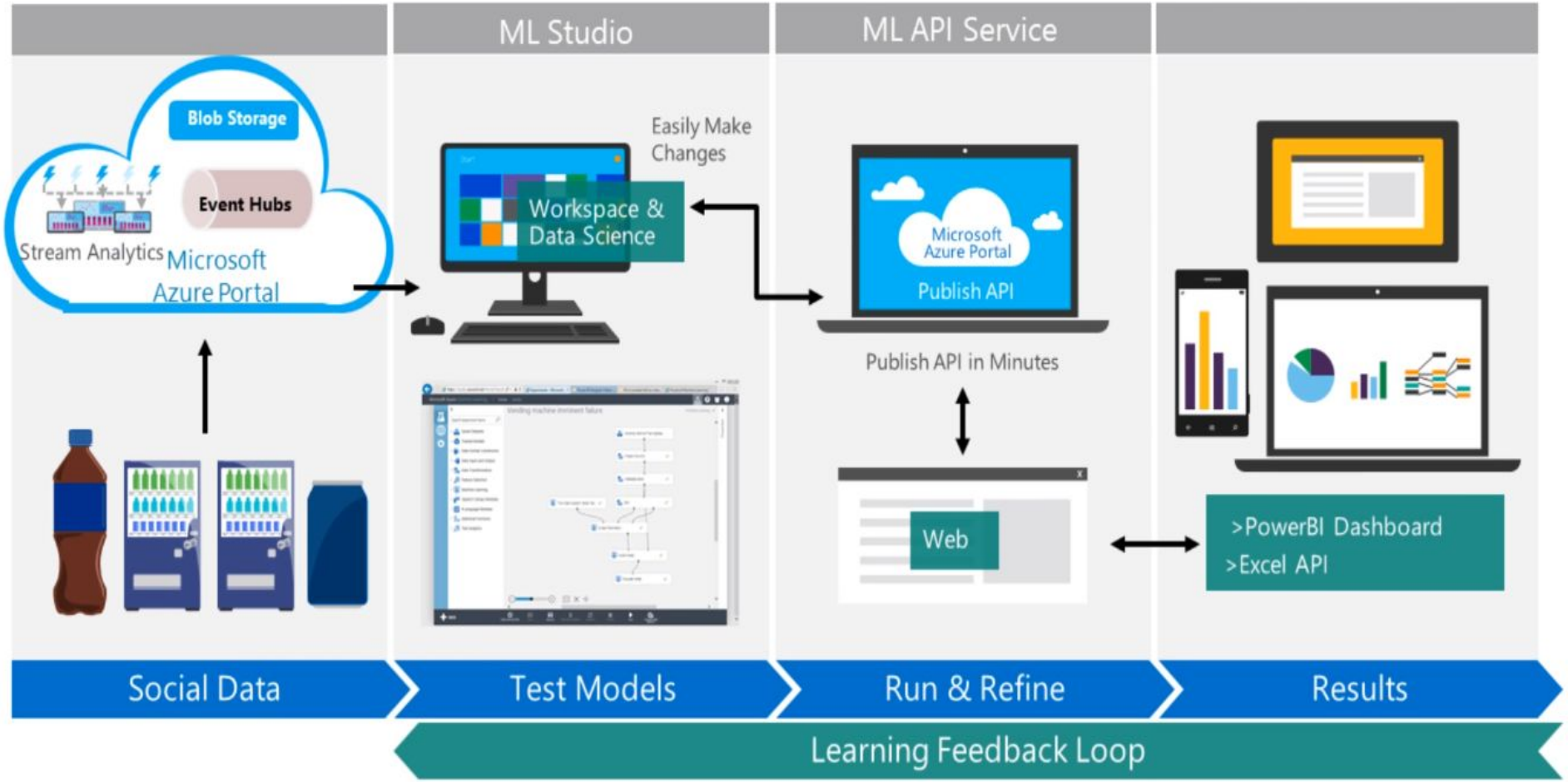
ES 03:46 p.m. 04/08/2019

DISPLAY IN MINUTES


Experiment Properties
START TIME 8/4/2019 3:47:19 PM
END TIME 8/4/2019 3:47:22 PM
STATUS CODE Finished
STATUS DETAILS None
8/4/2019 3:47:22 PM
Prior Run

DEPLOYMENT

ARCHITECTURE


ML Studio
ML API Service
Blob Storage
Event Hubs
Stream Analytics
Microsoft Azure Portal
Easily Make Changes
Workspace & Data Science
Microsoft Azure Portal
Publish API
Publish API in Minutes
Web
>PowerBI Dashboard
>Excel API
Social Data
Test Models
Run & Refine
Results
Learning Feedback Loop
Microsoft
NEAL ANALYTICS

WHERE TO USE IT?

Telemetry data analysis

Buyer propensity models

Healthcare outcomes

Web app optimization


THANKS