

Analysering med Machine Learning

Analysera data med hjälp av Machine Learning och Stream analytics

Dashboard - Microsoft Azure Weather prediction model | Azure AI Gallery https://gallery.azure.ai/Experiment/Weather-prediction-model-1

Azure AI Gallery

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EXPERIMENT

Weather prediction model

Yuwei Zhou • March 3, 2017

20 likes

[Summary](#)

[Description](#)

Open in Studio

Add to Collection

5548 views 5975 downloads

RELATED ITEMS

WEATHER PREDICTION-(ML DATASET)

A red oval highlights the "Open in Studio" button.

Dashboard - Microsoft Azure | Weather prediction model | Experiments - Microsoft Azure M

<https://studio.azureml.net/Home/ViewWorkspaceCached/46dda20fca9045c5843784ab196282f2#Workspace/Experiments>ListExperiments>

Hans Mattin-Lassei-Free-... ? 🧑‍🤝‍🧑 😊 🚙

Microsoft Azure Machine Learning Studio

experiments

PROJECTS EXPERIMENTS WEB SERVICES NOTEBOOKS DATASETS TRAINED MODELS SETTINGS

MY EXPERIMENTS SAMPLES

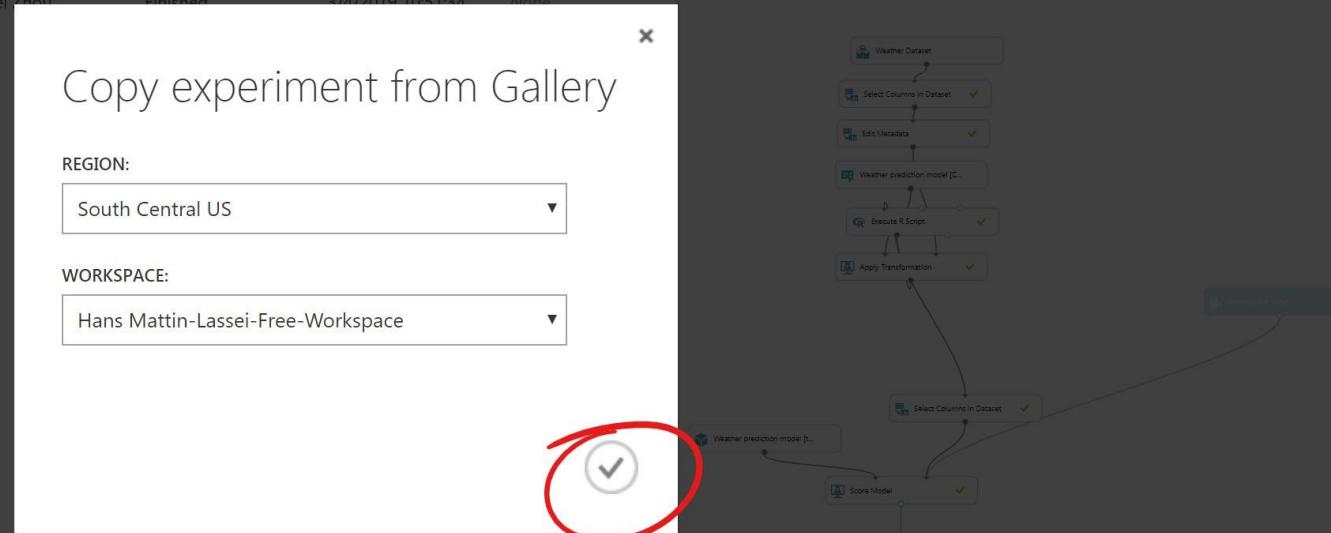
| | NAME | AUTHOR | STATUS | LAST EDITED | PROJECT |
|---|----------------------|--------------------|----------|-----------------------|---------|
| ■ | Weather predictio... | hans.mattin-lassei | Finished | 3/4/2019 10:52:45 ... | None |
| ■ | Weather predictio... | Yuwei Zhou | Finished | 3/4/2019 10:51:34 | None |

Copy experiment from Gallery

REGION: South Central US

WORKSPACE: Hans Mattin-Lassei-Free-Workspace

 (circled in red)



NEW DELETE ADD TO PROJECT

Microsoft Azure Machine Learning Studio

Hans Mattin-Lassei-Free...



- Search experiment items
- Saved Datasets
- Trained Models
- Transforms
- Data Format Conversions
- Data Input and Output
- Data Transformation
- Feature Selection
- Machine Learning
- OpenCV Library Modules
- Python Language Modules
- R Language Modules
- Statistical Functions
- Text Analytics
- Time Series
- Web Service
- Deprecated

Weather prediction model

In draft

Properties Project

Experiment Properties

START TIME -
END TIME -
STATUS CODE InDraft
STATUS DETAILS None

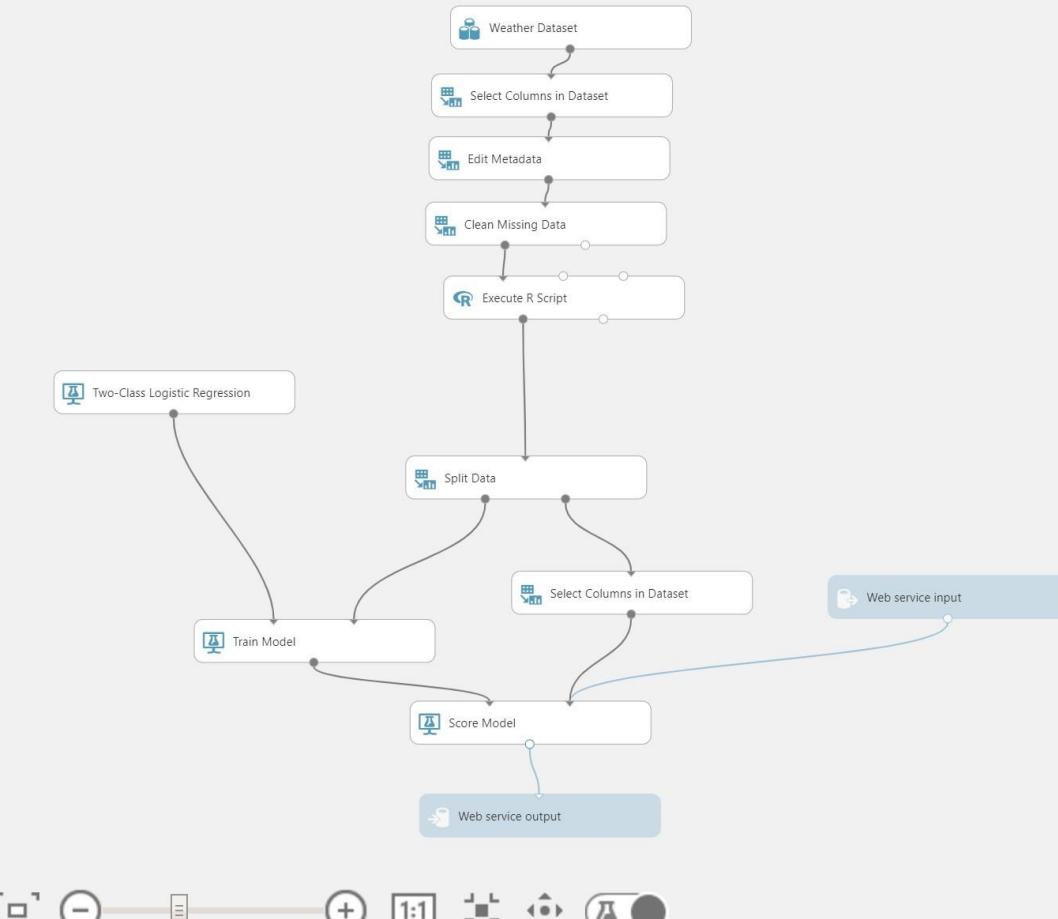
Summary

Enter a few sentences describing your experiment (up to 140 characters).

Description

Enter the detailed description for your experiment.

Quick Help



RUN HISTORY

SAVE

SAVE AS

DISCARD CHANGES

RUN

SET UP WEB SERVICE

PUBLISH TO GALLERY

Windows Ink-arbetsytan

Dashboard - Microsoft Azure | Weather prediction model | Experiments - Microsoft Azure M

https://studio.azureml.net/Home/ViewWorkspaceCached/46dda20fca9045c5843784ab196282f2#Workspaces/Experiments/Experiment/46dda20fca9045c5843784ab19628...

Microsoft Azure Machine Learning Studio

Weather prediction model

Finished running ✓

Properties Project

Experiment Properties

- START TIME 3/4/201...
- END TIME 3/4/201...
- STATUS CODE Finished
- STATUS DETAILS None

Summary

Enter a few sentences describing your experiment (up to 140 characters).

Description

Enter the detailed description for your experiment.

Quick Help

```
graph TD; WD[Weather Dataset] --> SCDS[Select Columns in Dataset]; SCDS --> EDM[Edit Metadata]; EDM --> CMD[Clean Missing Data]; CMD --> ERS[Execute R Script]; ERS --> TCR[Two-Class Logistic Regression]; TCR --> SD[Split Data]; SD --> TM[Train Model]; TM --> SM[Score Model]; SM --> WSI[Web service input]; SM --> WSO[Web service output]
```

Predictive Web Service [Recommended]

Deploy Web Service

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

Dashboard - Microsoft Azure | Weather prediction model | Azure ML Studio | Experiments - Microsoft Azure M | + https://studio.azureml.net/Home/ViewWorkspaceCached/46dda20fca9045c5843784ab196282f2#Workspaces/Experiments/Experiment/46dda20fca9045c5843784ab19628... | Hans Mattin-Lassei-Free... | ? | 🧑 | 😊 | 🚫

Microsoft Azure Machine Learning Studio

Training experiment Predictive experiment

Weather prediction model [Predictive Exp.]

In draft Draft saved at 12:53:54 PM

Search experiment items

Web service input

Name: input1

Quick Help

Web service input

Creating predictive experiment

NEW RUN HISTORY SAVE AS DISCARD CHANGES RUN DEPLOY WEB SERVICE PUBLISH TO GALLERY

1 E

```
graph TD; WD[Weather Dataset] --> SC1[Select Columns in Dataset]; SC1 --> EM[Edit Metadata]; EM --> WPM1[Weather prediction model]; WPM1 --> ERS[Execute R Script]; ERS --> AT[Apply Transformation]; WSIN[Web service input] --> AT; AT --> SC2[Select Columns in Dataset]; SC2 --> SM[Score Model]; SM --> WSOUT[Web service output]
```

Dashboard - Microsoft Azure | Weather prediction model | Azure ML Studio | Experiments - Microsoft Azure M | +

https://studio.azureml.net/Home/ViewWorkspaceCached/46dda20fca9045c5843784ab196282f2#Workspaces/Experiments/Experiment/46dda20fca9045c5843784ab19628...

Hans Mattin-Lassei-Free...

Microsoft Azure Machine Learning Studio

Training experiment Predictive experiment

Weather prediction model [Predictive Exp.]

In draft Saving...

Properties Project

Web service input

Name: input1

Quick Help

Web service input

Creating predictive experiment

DETAILS i CLOSE x

NEW RUN HISTORY SAVE AS DISCARD CHANGES RUN DEPLOY WEB SERVICE PUBLISH TO GALLERY

Windows Ink-arbetsytan

```
graph TD; WD[Weather Dataset] --> SCDS[Select Columns in Dataset]; SCDS --> EM[Edit Metadata]; EM --> WPM[Weather prediction model]; WPM --> ERS[Execute R Script]; ERS --> AT[Apply Transformation]; AT --> SM[Score Model]; SM --> WSO[Web service output]; WSI[Web service input] --> SM;
```

Dashboard - Microsoft Azure | Weather prediction model | Experiments - Microsoft Azure M + https://studio.azureml.net/Home/ViewWorkspaceCached/46dda20fca9045c5843784ab196282f2#Workspaces/Experiments/Experiment/46dda20fca9045c5843784ab19628... ☆ 🔍 🌐 🎨 🌟

Microsoft Azure Machine Learning Studio

Hans Mattin-Lassei-Free... ? 🌐 🎨 🌟 🌐

Training experiment Predictive experiment

Weather prediction model [Predictive Exp.]

Finished running ✓

Search experiment items

Saved Datasets
Trained Models
Transforms
Data Format Conversions
Data Input and Output
Data Transformation
Feature Selection
Machine Learning
OpenCV Library Modules
Python Language Modules
R Language Modules
Statistical Functions
Text Analytics
Time Series
Web Service

Weather Dataset
Select Columns in Dataset
Edit Metadata
Weather prediction model [...]
Execute R Script
Apply Transformation
Score Model
Web service input
Web service output

Experiment Properties

START TIME 3/4/201...
END TIME 3/4/201...
STATUS CODE Finished
STATUS DETAILS None

Summary

Enter a few sentences describing your experiment (up to 140 characters).

Description

Enter the detailed description for your experiment.

Quick Help

Creating predictive experiment

DETAILS ⓘ CLOSE ✕

NEW RUN HISTORY SAVE AS DISCARD CHANGES RUN DEPLOY WEB SERVICE PUBLISH TO GALLERY

Windows Ink-arbetsytan

```
graph TD; WD[Weather Dataset] --> SCDS[Select Columns in Dataset]; SCDS --> EM[Edit Metadata]; EM --> WPM[Weather prediction model [...]]; WPM --> ERS[Execute R Script]; ERS --> AT[Apply Transformation]; AT --> SM[Score Model]; WebServiceInput[Web service input] --> SM; SM --> WebServiceOutput[Web service output]
```

Dashboard - Microsoft Azure | Weather prediction model | Azure ML Studio | Web services - Microsoft Azure

<https://studio.azureml.net/Home/ViewWorkspaceCached/46ddda20fca9045c5843784ab196282f2#Workspaces/WebServiceGroups/WebServiceGroup/5348de83ee5c439e80...>

Microsoft Azure Machine Learning Studio

weather prediction model [predictive exp.]

DASHBOARD CONFIGURATION

General New Web Services Experience [preview](#)

Published experiment

[View snapshot](#) [View latest](#)

Description

No description provided for this web service.

API key

```
WFYbI6vJhtD6fvzqMT0RhpBIRaNqzgzDOSEEREn9YCGHdFOtjYexHyM030lyk1WewaA8xZwYh8AP7HE06uRdg==
```

Default Endpoint

| API HELP PAGE | TEST | APPS | LAST UPDATED |
|------------------|-----------------------------------|---|--------------|
| REQUEST/RESPONSE | Test Test preview | Excel 2013 or later Excel 2010 or earlier workbook 3/4/2019 12:56:22 PM | |
| BATCH EXECUTION | Test preview | Excel 2013 or later workbook 3/4/2019 12:56:22 PM | |

Open

Creating predictive experiment

DETAILS CLOSE

NEW DELETE 1

PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. [Enable Editing](#)

| A5 | INSTRUCTIONS |
|----|--|
| 1 | The downloadable Excel workbook in this page contains your Microsoft Azure Machine Learning Web Service API Key. Please be mindful when sharing the spreadsheet or you may incur unexpected charges. |
| 2 | WEB SERVICE URL https://ussouthcentral.services.azureml.net/workspaces/46dda20fca9045c5843784ab196282f2/services/ca176db0761b4101bf6361232f280de4/score |
| 3 | ACCESS KEY WFYbl6vJhtD6fvzqMTo0RhpBIRaNqzgzDOSEEREn9YCGHdFOtjYexHyM030lyk1WewaA8xZwYh8AP7HE06uRdg== |
| 4 | SCHEMA https://ussouthcentral.services.azureml.net/odata/workspaces/46dda20fca9045c5843784ab196282f2/services/ca176db0761b4101bf6361232f280de4/\$metadata |

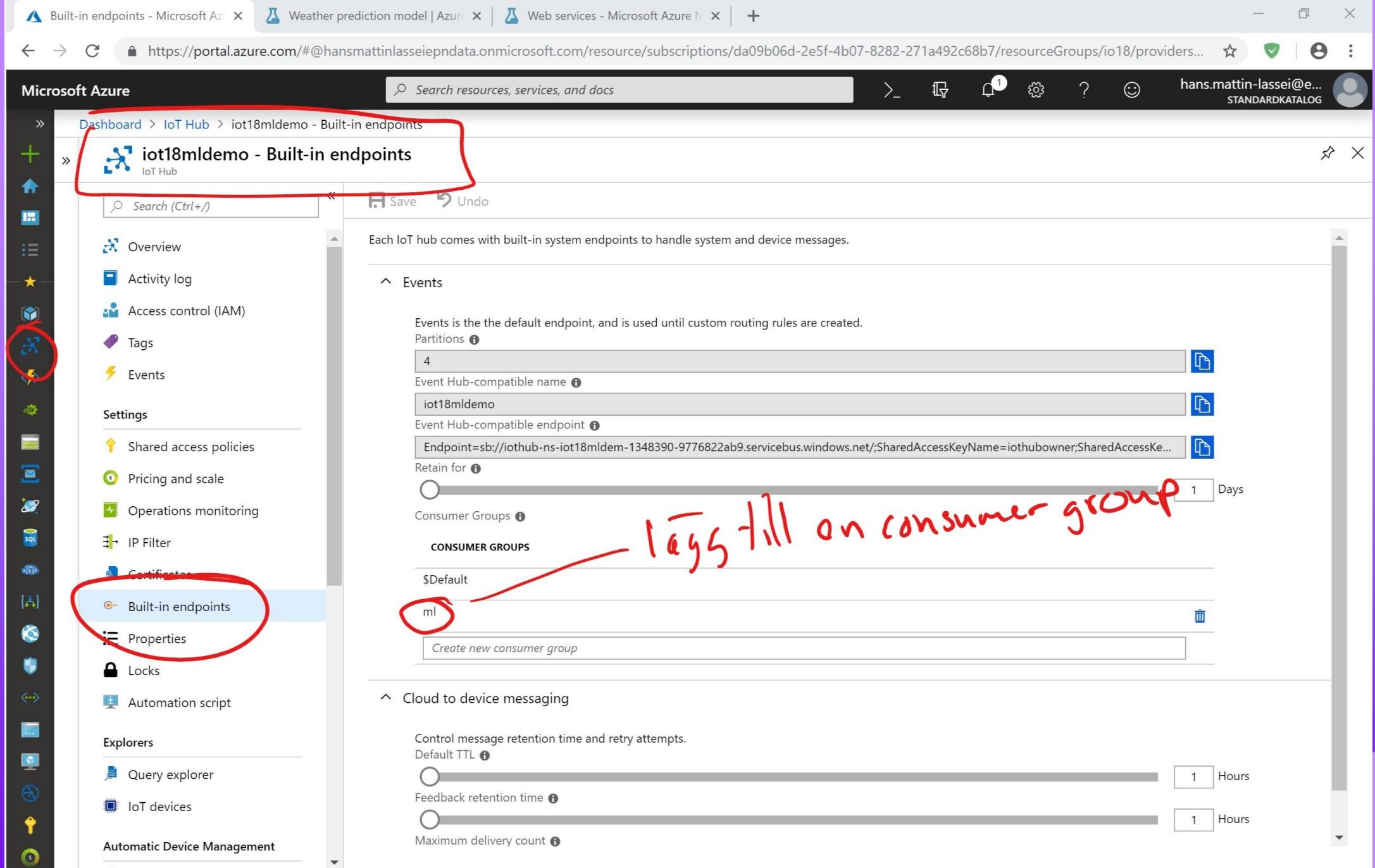
INSTRUCTIONS

Once you have enabled macros and the table has been generated, please enter your input values in the **PARAMETERS** section. Once all parameters have been entered, **PREDICTED VALUES** will be automatically populated. If the web service you consume is hosted in a **Free Workspace** you may experience delay due to throttling. Upgrade to a **Standard Workspace** to have higher performance.

Används för Streamanalytics

val
och reg

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27



Dashboard > New

New

Search the Marketplace

Azure Marketplace See all

Featured See all

Get started IoT Central Application Learn more

Recently created IoT Hub Quickstart tutorial

Compute Digital Twins (preview) PREVIEW Learn more

Networking Time Series Insights Quickstart tutorial

Storage Stream Analytics job Quickstart tutorial

Web Machine Learning Studio Workspace Learn more

Mobile Data Box Edge / Data Box Gateway (preview) PREVIEW Learn more

Containers Event Grid Topic Learn more

Databases Function App Quickstart tutorial

Analytics

AI + Machine Learning

Internet of Things

Mixed Reality

Integration

Security

Identity

Developer Tools

Management Tools

Software as a Service (SaaS)

+

The screenshot shows the Azure portal's 'New' blade. On the left, there's a sidebar with various icons representing different service categories. A red circle highlights the '+' icon at the top of this sidebar. Below it, several categories are listed, with 'Internet of Things' highlighted by a blue box and circled in red. To the right, the 'Featured' section lists various Azure services with their icons and brief descriptions. The 'Stream Analytics job' service is also circled in red.

New Stream Analytics job - Micro | Weather prediction model | Azure | Web services - Microsoft Azure | +

https://portal.azure.com/#create/Microsoft.StreamAnalyticsJob

Microsoft Azure

Search resources, services, and docs

Dashboard > New > New Stream Analytics job

New Stream Analytics job

* Job name: mlstream

* Subscription: Microsoft Partner Network

* Resource group: io18

* Location: West Europe

Hosting environment: Cloud

Streaming units (1 to 120): 1

Red annotations:

- A large red circle highlights the "Create" button at the bottom left.
- A red arrow points from the "mlstream" input field towards the "Create" button.
- A red "T" is written above the "Create" button.
- A red "gndra" is written below the "Create" button.
- A red "1" is written next to the streaming unit count.

Create Automation options

Windows Ink-arbetsytan

mlstream - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlasseiepnadata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/providers...

Microsoft Azure

Search resources, services, and docs

Dashboard > mlstream

mlstream Stream Analytics job

Start Stop Delete

Resource group (change) : io18

Status : Created

Location : West Europe

Subscription (change) : Microsoft Partner Network

Subscription ID : da09b06d-2e5f-4b07-8282-271a492c68b7

Send feedback : UserVoice

Created : måndag 4 mars 2019 13:01:49

Started : -

Output watermark : -

Hosting environment : Cloud

Inputs

0 Empty

Outputs

0 Empty

Query

Edit query

```
1 SELECT
2 *
3 INTO
4 [YourOutputAlias]
5 FROM
6 [YourInputAlias]
```

Monitoring

Resource utilization

Windows Ink-arbetsytan

Search (Ctrl+ /)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Locks

Job topology

Inputs

Functions

Query

Outputs

Configure

Storage account settings

Scale

Locale

Event ordering

Error policy

Compatibility level

Inputs - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pndata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/providers...

Microsoft Azure

Search resources, services, and docs

Dashboard > mlstream - Inputs

mlstream - Inputs Stream Analytics job

Add stream input Add reference input

Event Hub IoT Hub Blob storage

Source Type Source

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Locks

Job topology

Inputs

Functions

Query

Outputs

Configure

Storage account settings Scale Locale Event ordering Error policy Compatibility level

hans.mattin-lassei@e... STANDARDKATALOG

The screenshot shows the Microsoft Azure portal interface for a Stream Analytics job named "mlstream". The left sidebar navigation bar is visible, showing various service icons and the current selection for "Inputs". A modal dialog box is open under the "Inputs" section, titled "mlstream - Inputs". It contains two main buttons: "Add stream input" and "Add reference input". Below these buttons is a list of source types: "Event Hub", "IoT Hub", and "Blob storage". The "IoT Hub" option is highlighted with a red circle. The "Event Hub" option is also circled with a red circle. The "blob storage" option is not circled. The "Inputs" section in the sidebar is also highlighted with a red circle.

IoT Hub - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pndata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/providers...

Microsoft Azure Search resources, services, and docs Dashboard > mlstream - Inputs

mlstream - Inputs Stream Analytics job

Add stream input Add reference input

NAME SOURCE TYPE SOURCE

Empty

Input alias: iohub (circled)

Provide IoT Hub settings manually Select IoT Hub from your subscriptions (radio button selected)

Subscription: Microsoft Partner Network

IoT Hub: iot18mldemo (circled)

Endpoint: Messaging

Shared access policy name: iothubowner

Shared access policy key: (redacted)

Consumer group: ml (circled)

Event serialization format: JSON

Encoding: UTF-8

Save (button circled)

The selected resource and the stream analytics job are located in different regions. You will be billed to move data between regions.

Outputs - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pndata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/providers...

Microsoft Azure

Search resources, services, and docs

Dashboard > mlstream - Outputs

mlstream - Outputs Stream Analytics job

Add

Event Hub

SQL Database

Blob storage

Table storage

Service Bus topic

Service Bus queue

Cosmos DB

Power BI

Data Lake Storage Gen1

SINK

Search (Ctrl+)

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Access control (IAM)

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Compatibility level

Windows Ink-arbetsytan

The screenshot shows the Microsoft Azure portal interface for managing a Stream Analytics job named 'mlstream'. The main area displays the 'Outputs' configuration page. On the left, a sidebar lists various configuration sections. The 'Outputs' section is highlighted with a red circle. Within the main content area, there is a list of sink options, with 'Blob storage' also circled in red. A large blue 'Add' button is positioned above the sink list. The top navigation bar includes the Azure logo, account information, and standard browser controls.

Microsoft Azure

Search resources, services, and docs

hans.mattin-lassei@e... STANDARDKATALOG

mlstream - Outputs

Add

| NAME | SINK |
|-------|------|
| Empty | |

Output alias: blobstorage

Provide Blob storage settings manually

Select Blob storage from your subscriptions (selected)

Subscription: Microsoft Partner Network

Storage account: iot18smessagesstorage

Storage account key: (redacted)

Container: mlmessages

Create new (selected)

Use existing

Path pattern: (redacted)

Date format: YYYY/MM/DD

Time format: HH

Save

The selected resource and the stream analytics job are located in different regions. You will be billed to move data between regions.

Microsoft Azure

Search resources, services, and docs

hans.mattin-lassei@e... STANDARDKATALOG

mlstream - Outputs

Stream Analytics job

Add

| NAME | SINK |
|-------|------|
| Empty | |

Storage account key

Container

Create new (radio button selected) Use existing

mlmessages

Path pattern

Date format

Time format

Event serialization format

CSV

Delimiter

comma (,)

Encoding

UTF-8

Save

The selected resource and the stream analytics job are located in different regions. You will be billed to move data between regions.

Dashboard > mlstream - Outputs

Search (Ctrl+ /)

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Outputs (selected)

Configure

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Compatibility level

Functions - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pndata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/providers...

Microsoft Azure

Search resources, services, and docs

Dashboard > mlstream - Functions

mlstream - Functions Stream Analytics job

Add Javascript UDF Azure ML Javascript UDA

Successful connection test 13:05 Connection to output 'blobstorage' succeeded.

Overview Activity log Access control (IAM) Tags Diagnose and solve problems

Settings Locks

Job topology

Inputs Functions Outputs

Configure Storage account settings Scale Locale Event ordering Error policy Compatibility level

PARAMETERS OUTPUT TYPE FUNCTION TYPE

The screenshot shows the Azure Stream Analytics job 'mlstream'. In the left sidebar, under 'Job topology', the 'Functions' link is highlighted with a red circle. In the main content area, a dropdown menu is open at the top right, showing options: 'Add', 'Javascript UDF', 'Azure ML', and 'Javascript UDA'. The 'Azure ML' option is also highlighted with a red circle. The top right corner of the page displays a success message: 'Successful connection test' at '13:05' and 'Connection to output 'blobstorage' succeeded.'

Azure Machine Learning function | Azure Machine Learning function | Weather prediction model | Azure Machine Learning function | Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pn... 5 🔍 ⚡ 🌐 ? 🎉 hans.mattin-lassei@e... STANDARDKATALOG

Microsoft Azure

Search resources, services, and docs

Dashboard > mlstream - Functions

mlstream - Functions

Stream Analytics job

Add

| NAME | PARAMETERS | OUTPUT TYPE |
|-------|------------|-------------|
| Empty | | |

Overview

Activity log

Access control (IAM)

AutoSave (Off)

File Home Insert Draw Page Layout Formulas Data Review View Help Team Tell me

Font Alignment Number Conditional Formatting Format as Table Cells Editing Ideas

Paste Font Alignment Number Conditional Formatting Format as Table Cells Editing Ideas

Clipboard

SECURITY WARNING Macros have been disabled. Enable Content

The downloadable Excel workbook in this page contains your Microsoft Azure Machine Learning Web Service configuration.

| WEB SERVICE URL | https://ussouthcentral.services.azureml.net/workspaces/46da20fca9045c5843784ab196282f... |
|-----------------|--|
| ACCESS KEY | WFYbl6vJhtD6fvzqMTo0RhpBIRaNqzgzDOSEEREn9YCGHdFOtjYexHyM030lyk1WewaA8... |
| SCHEMA | https://ussouthcentral.services.azureml.net/odata/workspaces/46da20fca9045c5843784... |

INSTRUCTIONS
Once you have enabled macros and the table has been generated, please enter your input values in the **PARAMETERS** table.

Sheet1

Ready Event ordering Error policy Compatibility level

Azure Machine Learning function

New function

* Function alias machinelearning

Provide Azure Machine Learning function settings manually

Select Azure Machine Learning function from your subscriptions

Subscription Subscription information not needed

* URL https://ussouthcentral.services.azureml.net/workspaces/46... Key

Save

If the chosen resource and the stream analytics job are located in different regions, you will be billed to move data between regions.

Functions - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pndata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/prov...

Microsoft Azure

Search resources, services, and docs

Dashboard > mlstream - Functions

mlstream - Functions Stream Analytics job

Add

| NAME | PARAMETERS | OUTPUT TYPE | FUNCTION TYPE |
|-----------------|------------|-------------|---------------|
| machinelearning | 2 | record | Azure ML |

Successful connection test 13:07
Connection to function 'machinelearning' succeeded.

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

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Configure

Storage account settings

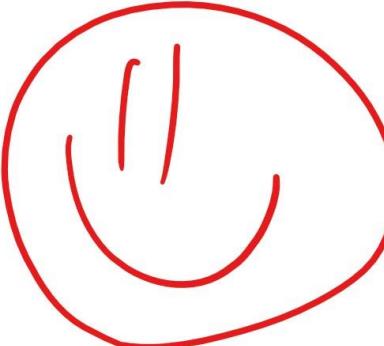
Scale

Locale

Event ordering

Error policy

Compatibility level

2 = 

>2 = 

Query - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pndata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/providers...

Microsoft Azure

Search resources, services, and docs

Dashboard > mlstream - Query

mlstream - Query Stream Analytics job

Save Discard Test

Inputs (1) iohub

Outputs (1) blobstorage

Need help with your query? Check out some of the most common Stream Analytics query patterns here.

```
1 WITH machinelearning AS (
2     SELECT
3         EventEnqueuedUtcTime,
4         temperature,
5         humidity,
6         machinelearning(temperature, humidity) AS result
7     FROM iohub
8 )
9
10 SELECT
11     System.Timestamp time,
12     CAST (result.[temperature] AS FLOAT) AS temperature,
13     CAST (result.[humidity] AS FLOAT) AS humidity,
14     CAST (result.[Scored Probabilities] AS FLOAT ) AS 'chance of rain'
15 INTO blobstorage
16 FROM machinelearning
```

Your query could be put in logs that are in a potentially different geography.
Missing some language constructs? [Let us know!](#) (Powered by [UserVoice](#) - [Privacy Policy](#))

mlstream - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pndata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/providers...

Microsoft Azure

Search resources, services, and docs

Dashboard > mlstream

mlstream Stream Analytics job

Start Stop Delete

Resource group (change) : io18

Status : Created

Location : West Europe

Subscription (change) : Microsoft Partner Network

Subscription ID : da09b06d-2e5f-4b07-8282-271a492c68b7

Send feedback : UserVoice

Created : måndag 4 mars 2019 13:01:49

Started : -

Output watermark : -

Hosting environment : Cloud

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Inputs

1 iohub

Outputs

1 blobstorage

Query

```
1 WITH machinelearning AS (
2     SELECT
3         EventEnqueuedUtcTime,
4         temperature,
5         humidity,
6         machinelearning(temperature, humidity) AS result
7     FROM iohub
8 )
9
10 SELECT
11     System.Timestamp time,
12     CAST (result.[temperature] AS FLOAT) AS temperature,
13     CAST (result.[humidity] AS FLOAT) AS humidity,
14     CAST (result.[Scored Probabilities] AS FLOAT ) AS 'chance of rain'
```

Monitoring

Tar att tas + sa fort du har en output watermark, kolla din blob.

Resource utilization

mlstream - Microsoft Azure Weather prediction model | Azure Web services - Microsoft Azure

https://portal.azure.com/#@hansmattinlassei@pndata.onmicrosoft.com/resource/subscriptions/da09b06d-2e5f-4b07-8282-271a492c68b7/resourceGroups/io18/providers...

Microsoft Azure Search resources, services, and docs Dashboard > mlstream

mlstream Stream Analytics job

Search (Ctrl+ /)

Start Stop Delete

Your job is running. Learn how to setup alerts and monitor your job using metrics.

Resource group (change) : io18
Status : Running
Location : West Europe
Subscription (change) : Microsoft Partner Network

Send feedback : UserVoice
Created : måndag 4 mars 2019 13:01:49
Started : måndag 4 mars 2019 13:15:02
Output watermark : måndag 4 mars 2019 13:16:38

Microsoft Azure Storage Explorer

File Edit View Help Experimental

EXPLORER

Search for resources Refresh All

Collapse All

Quick Access

Local & Attached

- Cosmos DB Accounts (Preview)
- Data Lake Storage Gen1 (Preview)
- Storage Accounts

Microsoft Partner Network (hans.mattin-lassei@...)

- Cosmos DB Accounts (Preview)
- iot18-cosmosdb
- Storage Accounts
- iot18fa9804
- iot18fav2aefe
- iot18smessagesstorage
- Blob Containers
 - allmessages
 - machinelearning

mlmessages

Upload Download Open New Folder Copy URL Select All Copy

Active blobs (default) mlmessages

Name

-1365699203_f06572cc0e084119b4badf256e90cbf6_1.csv

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Conditional Formatting Format as Table Cell Styles

Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

A1 time,temperature,humidity,chance of rain

| | A | B | C | D | E | F | G | H |
|---|--|------|------|-------------------|---|---|---|---|
| 1 | time,temperature,humidity,chance of rain | | | | | | | |
| 2 | 2019-03-04T12:15:08.4890000Z | 22.9 | 23.0 | 0.227723240852356 | | | | |
| 3 | 2019-03-04T12:15:18.7560000Z | 22.9 | 23.0 | 0.227723240852356 | | | | |
| 4 | 2019-03-04T12:15:28.5250000Z | 22.9 | 23.0 | 0.227723240852356 | | | | |
| 5 | 2019-03-04T12:15:38.5130000Z | 22.9 | 23.0 | 0.227723240852356 | | | | |
| 6 | 2019-03-04T12:15:48.5360000Z | 22.9 | 23.0 | 0.227723240852356 | | | | |
| 7 | 2019-03-04T12:15:58.6480000Z | 22.9 | 23.0 | 0.227723240852356 | | | | |

-1365699203_f06572cc0e084119b4b

Ready