

IBM Cloud

Search resources and products...

Catalog

Manage

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Catalog /

watsonx.ai Studio

(Formerly known as Watson Studio) Develop powerful AI solutions with an integrated collaborative studio and industry-standard APIs and SDKs.

CreateAbout

Type
Service

Provider
IBM

Last updated
05/06/2025

Category
AI / Machine Learning

Compliance
HIPAA Enabled
IAM-enabled

Location
Sydney (au-syd)
Frankfurt (eu-de)
London (eu-gb)
Tokyo (jp-tok)
Dallas (us-south)
Toronto (ca-tor)

Related links

Select a location

Tokyo (jp-tok)

Select a pricing plan

Prices shown are for country or location: [United States](#)

Plan	Features and capabilities	Pricing
Lite	<div>1 authorized user</div> <div>10 capacity unit-hours monthly limit</div> <div>Environment = # of capacity units required per hour</div> <div>• 1 vCPU + 4 GB RAM = 0.5</div> <div>• 2 vCPU + 8 GB RAM = 1</div> <div>• 4 vCPU + 16 GB RAM = 2</div> <div>• Decision Optimization + Watson NLP = Environment + 5</div> <div>• Synthetic Data Generator, 2 vCPU + 8 GB RAM = 7 (requires watsonx.ai Runtime)</div>	

Free

Summary

watsonx.ai Studio

Free

Location: Tokyo (jp-tok)

Plan: Lite

Service name: watsonx.ai Studio-xp

Resource group: Default

☒ I have read and agree to the following license agreements:

[Terms](#)

Create

Add to estimate



Watch videos to learn about watsonx.ai Studio.

Service Details - IBM Cloud

Home | IBM watsonx.ai Studio

+

https://jp-tok.dataplatform.cloud.ibm.com/home2?context=cpdaas&apps=data_science_experience&nocache=true&onboarding=true&quick_start_target=data_science_experience

IBM watsonx.ai Studio

Search in your workspaces

Upgrade

Ghantasala RamaKousalya...

Tokyo

GR

Welcome, Ghantasala!

Take a tutorial

Step through implementing a Data fabric use case in a sample project.

→

Work with

Create a project, prepare data, and build models.

→

Quick start

Build customer profiles with IBM Match 360 with Watson


Catalog and govern data with watsonx.data Intelligence

Build and manage ML models with watsonx.ai Studio

Query data anywhere with Data Virtualization

What's new

Knowledge Accelerator for En...



Build and manage ML models with watsonx.ai Studio

watsonx.ai Studio is a service that you use to build, deploy, and manage AI models and to optimize decisions.

Work within a project to build models. Customize how you work by choosing from notebooks, graphical canvases, and no-code tools.

Get started with watsonx.ai Studio by provisioning a watsonx.ai Studio and watsonx.ai Runtime service instance.

Cancel

Next

Get started

Provision watsonx.ai Studio

Create an instance of watsonx.ai Studio from the service catalog.

Provision watsonx.ai Runtime

Create an instance of watsonx.ai Runtime from the service catalog.

Deployments

No deployment spaces

After you create spaces, you'll see them here.

New deployment space +

Service Details - IBM Cloud

Home | IBM watsonx.ai Studio


https://jp-tok.dataplatform.cloud.ibm.com/home2?context=cpdaas&apps=data_science_experience&nocache=true&onboarding=true&quick_start_target=data_science_experience

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 **watsonx.ai Runtime**

Author: IBM • Date of last update: Aug 5, 2025 • [Docs](#) • [API Docs](#)

Create

About

Select a region

Select a region

Tokyo

Pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: United States

Plan	Features	Pricing
Lite	<div>Service instance</div> <div>Instance includes:</div> <ul style="list-style-type: none">• 20 capacity unit-hours (CUH) per month• 50,000 tokens/data points per month• 100 pages per month <div>-----</div> <div>Foundation models:</div> <ul style="list-style-type: none">• Inferencing for text generation consumes tokens (as Resource Units)• Token usage is the sum of input and output tokens• Time series forecasting consumes data points (as Resource Units)	Free

Create

View terms

Cancel

Summary

watsonx.ai Runtime

Region: Tokyo

Plan: Lite

Service name: watsonx.ai Runtime-gd

Resource group: Default

Service Details - IBM Cloud

Home | IBM watsonx.ai Studio

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https://jp-tok.dataplatform.cloud.ibm.com/home?context=cpdaas&apps=data_science_experience&nocache=true&onboarding=true&quick_start_target=data_science_experience

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Take a tutorial

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→

Work with

Create a project and prepare data models.

→

Quick start

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Catalog and govern data with watsonx.data Intelligence

Query data anywhere with Data Virtualization

What's new

Create connections for StreamSets flows

Jul 31, 2023



Build and manage ML models with watsonx.ai Studio

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Work within a project to build models. Customize how you work by choosing from notebooks, graphical canvases, and no-code tools.

Cancel

Next

Get started

Sample project

Open a sample project with pre-built watsonx.ai Studio assets.

New project

Create a project and then add your own data to get started.

Deployments

No deployment spaces

After you create spaces, you'll see them here.

New deployment space +

New in Resource hub


Knowledge Accelerator for En...

Service Details - IBM CloudXNew project | IBM watsonx.ai StudioXCloud Object Storage — ServicesX

https://jp-tok.dataplatform.cloud.ibm.com/data/catalog/cloud-object-storage?context=cpdaas&target=cloud-object-storage&closeTab=true

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Services catalog /

Cloud Object Storage

Author: IBM • Date of last update: Apr 15, 2025 • Docs • API Docs

CreateAbout

Pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or region: United States

Plan	Features	Pricing
One-Rate	One-Rate Plan is a Pay-as-You-Go option with a single, flat monthly rate (\$/GB) that includes storage, API operations, retrieval, and outbound bandwidth—making it ideal for high-activity workloads with frequent access and data transfer, such as analytics, media, and web apps. The plan includes built-in allowances that scale with stored capacity and offers automatic volume discounts as usage grows	
Lite(deprecated)	<div>Lite plan instance is free to use for Storage capacity up to 25 GB per month. Lite plan instance is used for trial, and can be easily upgraded to Standard plan for unlimited scalability and full functionality.</div> <div>None</div> <div>Lite plan services are deleted after 30 days of inactivity.</div>	Free
Standard	Standard Plan is a flexible Pay-as-You-Go option with no minimum fee—ideal for workloads with large storage needs but low or infrequent access and outbound traffic. It includes a Free Tier with 5GB of Smart Tier storage for 12 months. Charges are based on actual usage, with separate billing for storage, outbound bandwidth, API operations, and data retrieval. Multiple storage classes help you optimize	

Summary

Cloud Object Storage

Region: Global

Plan: Lite(deprecated)

Service name: Cloud Object Storage-ut

Resource group: Default

Create

View terms

Cancel

Service Details - IBM Cloud

New project | IBM watsonx.ai Studio

https://jp-tok.dataplatform.cloud.ibm.com/projects/new-project?context=cpdaas

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Create a project

Start with a new, blank project or select from where to import an existing project.

+ New

Local file

Sample

Define details

Name

Network_Intrusion

Description (optional)

Create a robust network intrusion detection system (NIDS) using machine learning.
The goal is to build a model that can effectively secure communication networks

Tags (optional)

Add tags

Add tags to make projects easier to find. To add tags, separate them with commas and press Enter.

Storage

Cloud Object Storage-ut

Project includes integration with [Cloud Object Storage](#) for storing project assets.

Cancel

Create

Service Details - IBM Cloud

Network_Intrusion — Projects | IB

+

https://jp-tok.dataplatform.cloud.ibm.com/projects/7ec005da-64a6-45a9-8b35-a1d85aafaac0?context=cpdaas

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Projects / Network_Intrusion

Launch IDE

Build machine learning models automatically

Define the details to create an AutoAI experiment asset and open it in the AutoAI tool.

+ New

Sample

Define details

Name

Network_Intrusion

Description (optional)

What's the purpose of this AutoAI experiment?

Tags (optional)

Add tags to make assets easier to find.

Start typing to add tags

Cancel

Define configuration

watsonx.ai Runtime service Instance

watsonx.ai Runtime-gd

Environment definition

Large: 8 CPU and 32 GB RAM

This environment definition consumes 20 capacity units per hour for training. For details, see [watsonx.ai Runtime plans](#).

Back

Create

Service Details - IBM Cloud

Network_Intrusion — Network_Intrusion

https://jp-tok.dataplatform.cloud.ibm.com/ml/auto-ml/802da94e-68f1-493d-848a-f93b56db7445/configure?projectid=7ec005da-64a6-45a9-8b35-a1d85aafaac0&context=cpdaas

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Projects / Network_Intrusion / Network_Intrusion

Configure AutoAI experiment

Network_Intrusion

Autosaved: 7:46:34 pm

Add data source

Add files such as tabular data (CSV).

Browse

Select from project

Train_data.csv

Size: 2.74 MB Columns: 42

Configure details

Create a time series analysis?

Enable this option to predict future activity over a specified date/time range. Data must be structured and sequential. [Learn more](#)

Yes

No

What do you want to predict?

Prediction column

protocol_type

Prediction column: protocol_type

CUH remaining: 17.71 CUH

PREDICTION TYPE

Multiclass Classification

OPTIMIZED FOR

Accuracy & run time

Experiment settings

Run experiment

Service Details - IBM Cloud

IBM watsonx.ai Studio

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https://jp-tok.dataplatform.cloud.ibm.com/ml/auto-ml/802da94e-68f1-493d-848a-f93b56db7445/train?projectid=7ec005da-64a6-45a9-8b35-a1d85aafaac0&context=cpdaas

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Projects / Network_Intrusion / Network_Intrusion

Rank by: Accuracy (Optimized) | Cross validation score

Experiment summary

Pipeline comparison

Progress map

Prediction column: protocol_type



Relationship map

Swap view



Feature engineering

DECISION TREE CLASSIFIER

Started feature engineering for pipeline P7

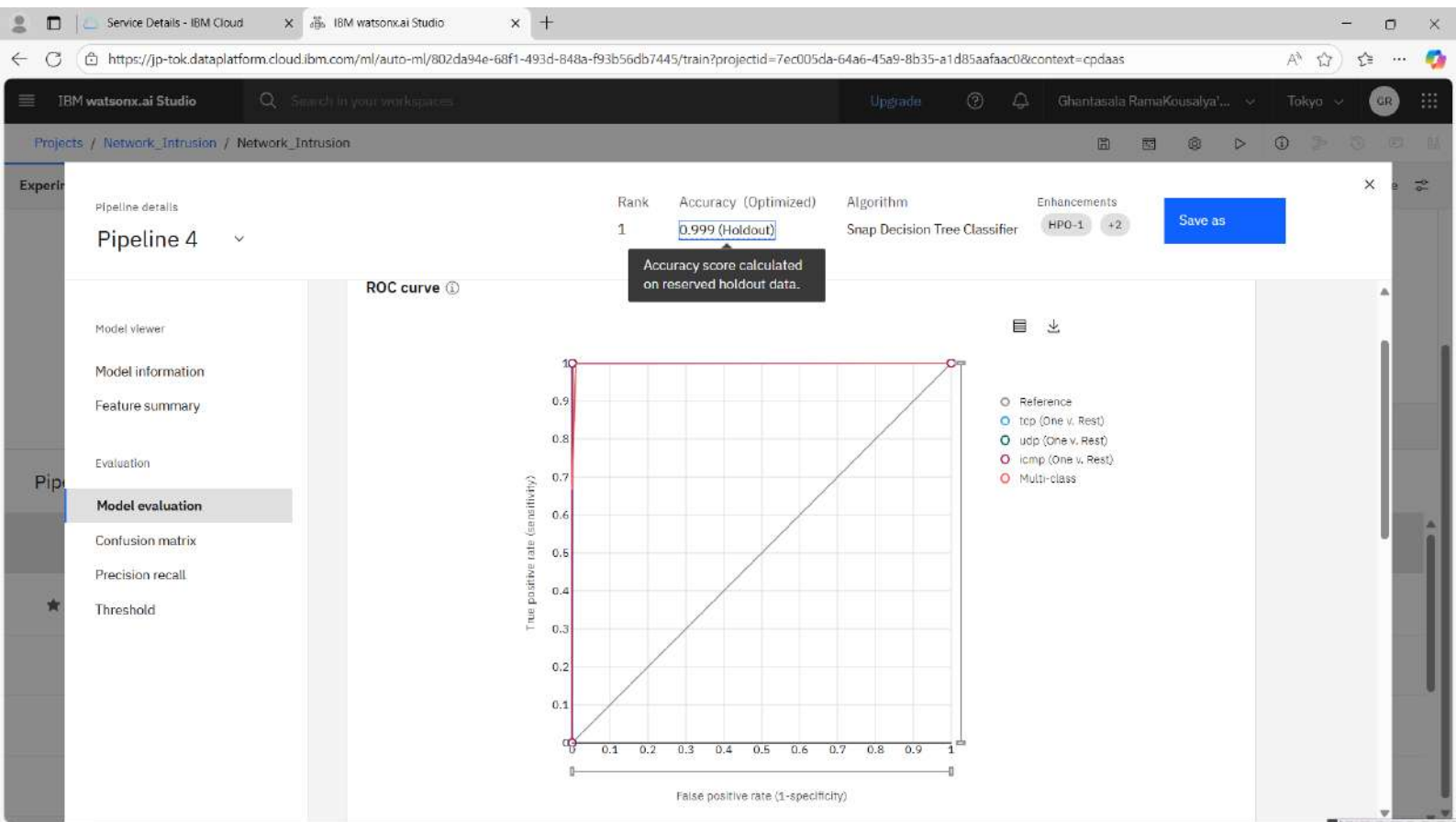
Time elapsed: 4 minutes

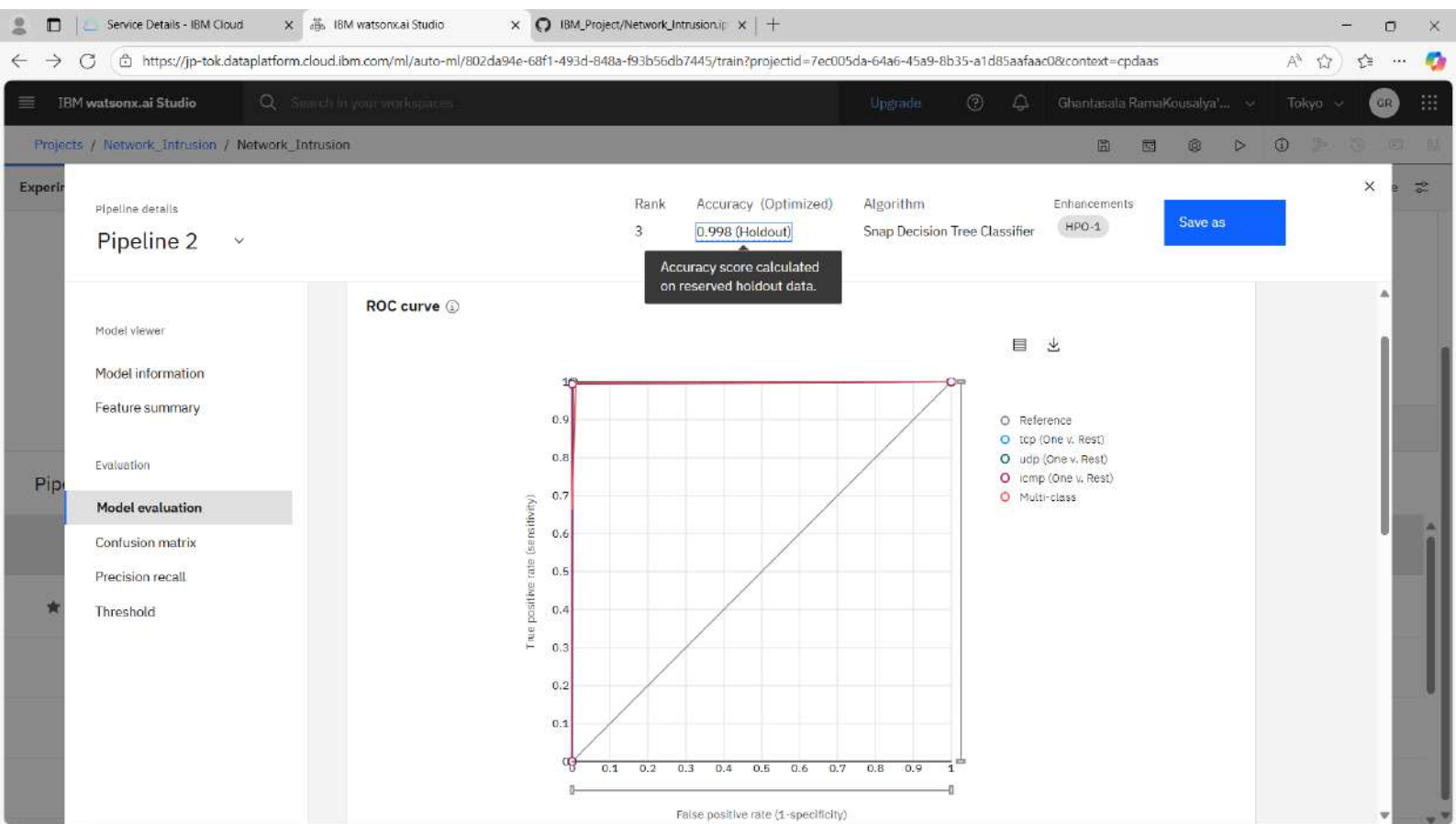
View log

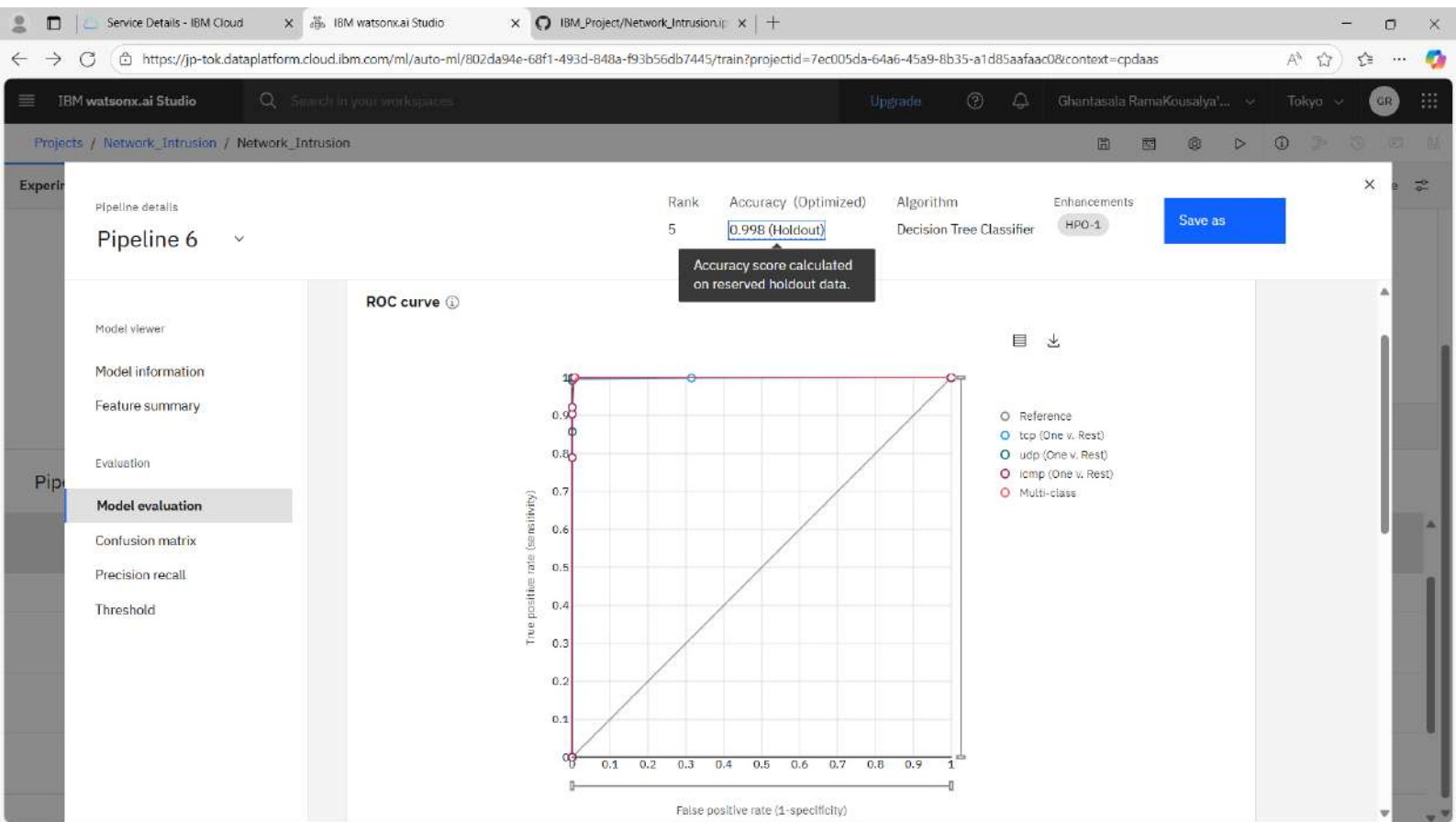
Save code

Pipeline leaderboard

Rank	Name	Algorithm	Accuracy (Optimized) Cross Validation	Enhancements	Build time
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Service Details - IBM Cloud

Network_Intrusion — Network_Intrusion

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←https://jp-tok.dataplatform.cloud.ibm.com/analytics/notebooks/v2/82234e08-c5b6-4ad9-865f-639b8d34aa1f/view?projectId=7ec005da-64a6-45a9-8b35-a1d85aafaac0&context=cpdaas

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Projects / Network_Intrusion / Network_Intrusion

🔗 AutoAI

Part of IBM Watson® Studio

Experiment notebook

Experiment Notebook - AutoAI Notebook v2.1.7

This notebook contains the steps and code to demonstrate support of AutoAI experiments in the watsonx.ai Runtime. It introduces Python API commands for data retrieval, training experiments, persisting pipelines, testing pipelines, refining pipelines, and scoring the resulting model.

Note: Notebook code generated using AutoAI will execute successfully. If code is modified or reordered, there is no guarantee it will successfully execute. For details, see: [Saving an Auto AI experiment as a notebook](#)

Some familiarity with Python is helpful. This notebook uses Python 3.11 and the `ibm-watsonx-ai` package.

Notebook goals

The learning goals of this notebook are:

- Defining an AutoAI experiment
- Training AutoAI models
- Comparing trained models
- Deploying the model as a web service
- Scoring the model to generate predictions

Contents

This notebook contains the following parts:

Setup

[Package installation](#)