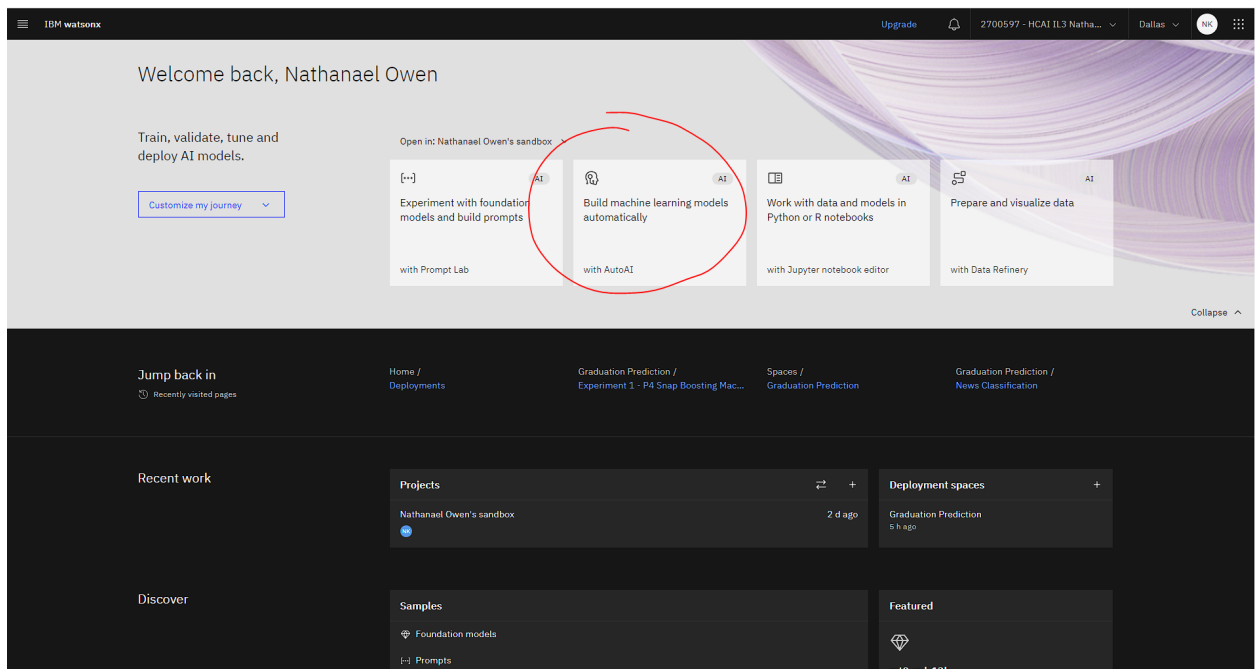


1. Pilih opsi **build machine learning automatically** pada menu utama watsonx.



2. Buat experiment baru dan pilih konfigurasi watson machine learning yang telah didaftarkan.

### Build machine learning models automatically

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

+ New

🔍 Samples

Define details

Name

Enter a name

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

Define configuration

Watson Machine Learning Service Instance

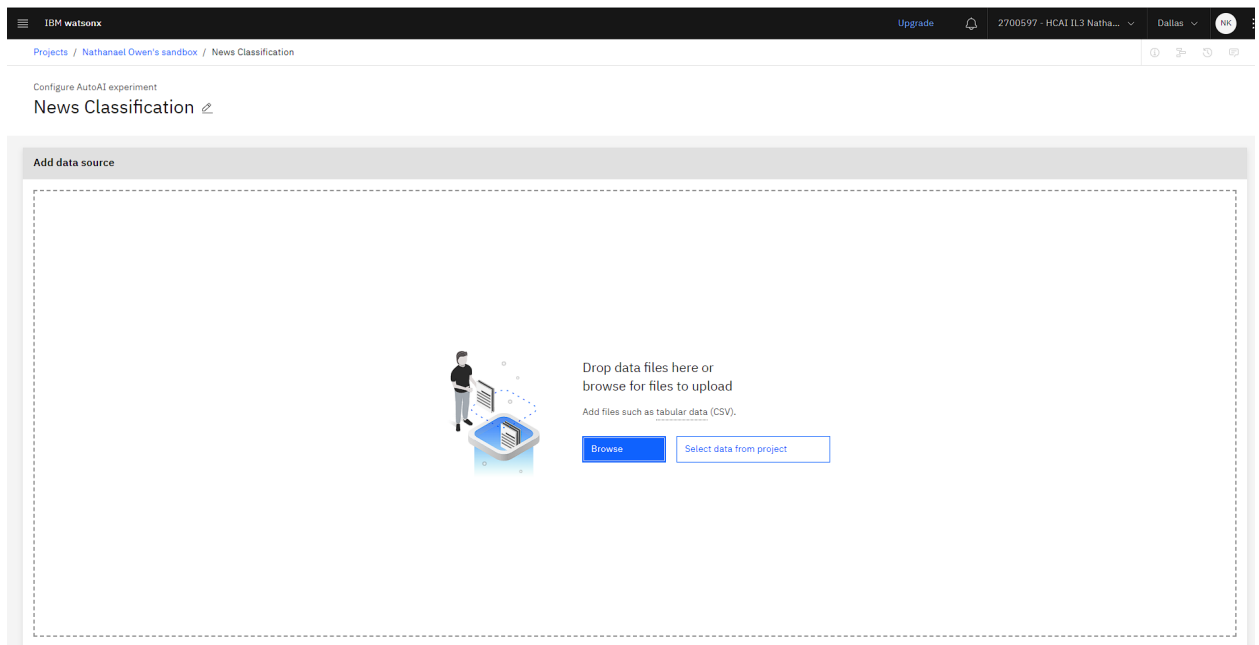
Watson Machine Learning-jb

Environment definition ⓘ

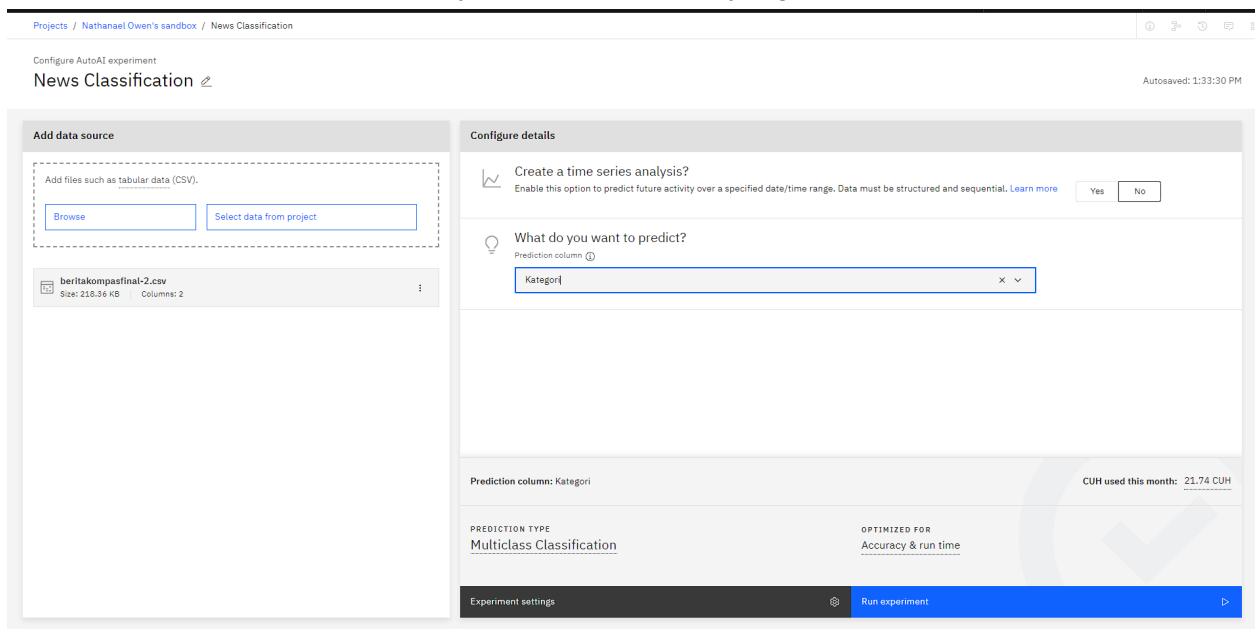
8 CPU and 32 GB RAM

This environment definition consumes 20 capacity units per hour for training. For details, see [Watson Machine Learning plans](#).

3. Masukan dataset sebagai data utama yang digunakan untuk training model.



4. Pilih **no** untuk opsi time series analysis, dan pilih kolom yang sesuai untuk diprediksi.



5. Konfigurasi settingan eksperimen, untuk eksperimen ini Gradient Boosting Classifier tidak dipilih dan hanya menggunakan 1 algoritma untuk mempercepat proses model training.

Experiment settings

Prediction

Data source

Runtime

General

Fairness

Time series

Search by algorithm or pipeline

Algorithm

☒ Decision Tree Classifier

☒ Extra Trees Classifier

☐ Gradient Boosting Classifier

☒ LGBM Classifier

☒ Logistic Regression

☒ Random Forest Classifier

☒ Snap Boosting Machine Classifier

☒ Snap Decision Tree Classifier

☒ Snap Logistic Regression

☒ Snap Random Forest Classifier

☒ Snap SVM Classifier

☒ XGB Classifier

Algorithms to use 1 / 4

AutoAI will test the specified algorithms and use the top performers to create model pipelines. Choose how many top algorithms to apply. Each algorithm generates 4-5 pipelines and more algorithms increase the runtime.

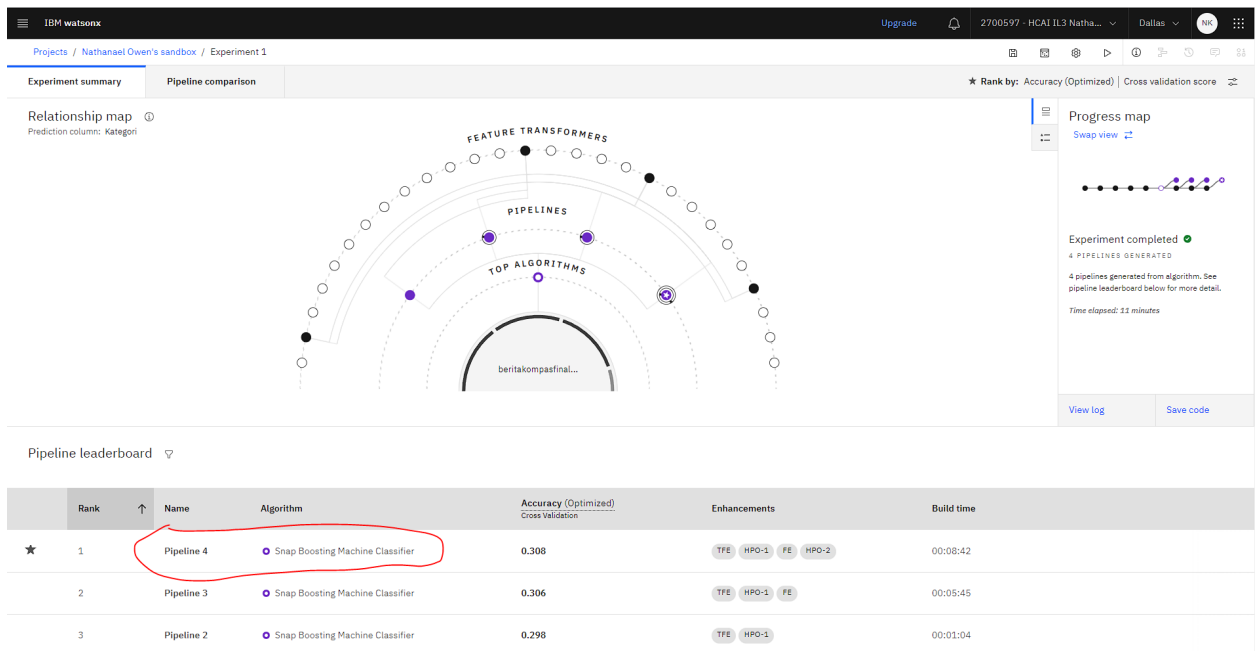
1

2

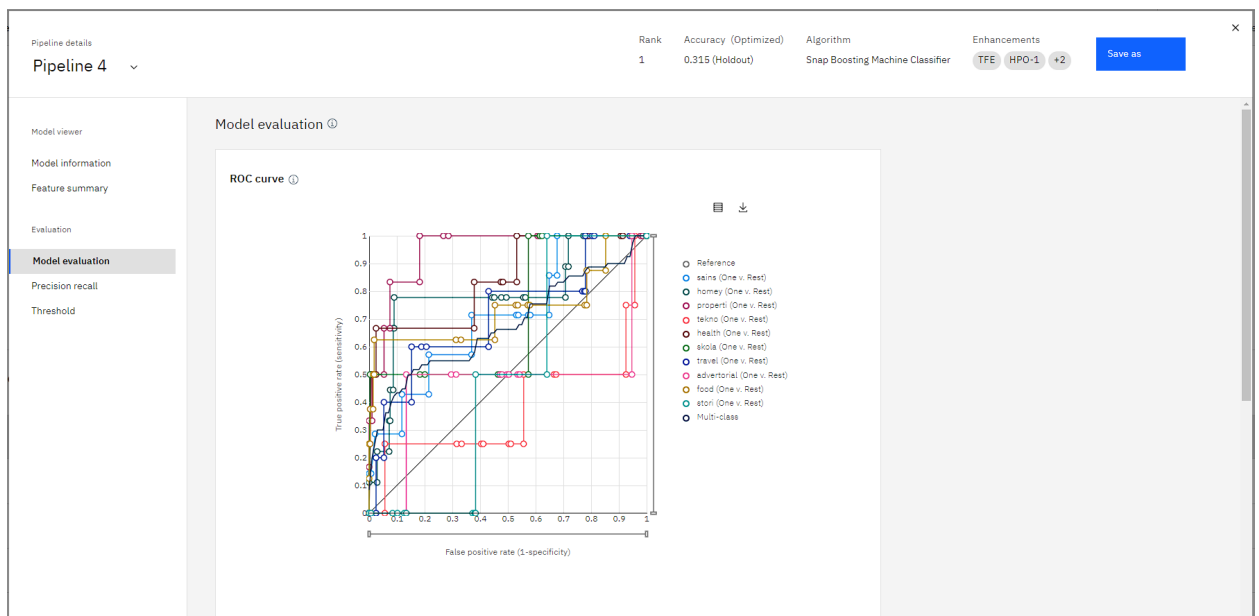
3

4

6. Pilih Pipeline teratas sesuai dengan tingkat akurasi tertinggi.



7. Terdapat beberapa model evaluasi yang dapat dilihat dan digunakan untuk proses analisa.



## 8. Promote to deployment space pada model yang telah dibuat.

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Projects / Nathanael Owen's sandbox / Experiment 1 - P4 Snap Boosting...

Experiment 1 - P4 Snap Boosting Machine Classifier - Model Promote to deployment space

Input Schema

Column	Type
Judul	"other"

Experiment 1 - P4 Snap Boosting Machine Classifier - Model  
Last modified at Sep 13, 2023, 1:37 PM

Description  
No description provided.

Created  
Sep 12, 2023, 3:58 PM

Type  
wmt-hybrid\_0.1

Model ID  
1f5bac0e-17f5-42f0-ae82-0fb0...

Software specification  
hybrid\_0.1

Hybrid pipeline software specifications  
autoai-kb\_r122.2-py3.10

Tags  
Add tags to make assets easier to find.

9. Pilih target space pada deployment space yang telah dibuat dan promote.

Promote to space

Use a deployment space to organize supporting resources such as input data and environments; deploy models or functions to generate predictions or solutions; and view or edit deployment details.

Target space

Graduation Prediction

Tags (optional)

Add a tag

Why don't I see all of my spaces?

☐ Go to the model in the space after promoting it

Selected assets (1)

Name	Format
Experiment 1 - P4 Snap Boosting Machine Classifier - Model	Model

Select version

Promoting a version of an asset to a space creates a new asset in the space, with a new asset ID.

Current

Description (Optional)

Description of assets

Cancel

Promote

10. Deploy model yang sudah di promote di deployment space.

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Dallas

IBM

Deployments /

Graduation Prediction

OverviewAssetsDeploymentsJobsManage

Find assets

Import assets

1 asset

All assets1

Asset typesModels1

Assets

Name	Last modified
Experiment 1 - P4 Snap Boosting Machine Classifier - Model	21 hours ago Service

Deploy

Delete

11. Pilih online untuk opsi deployment type dan berikan nama.

Create a deployment

Associated asset  
Experiment 1 - P4 Snap Boosting Machine Classifier - Model

Deployment type

**Online**  
Run the model on data in real-time, as data is received by a web service.

Batch  
Run the model against data as a batch process.

Name  
deployment 1

Serving name  
Deployment serving name

Description  
Deployment description

Tags  
Add tags to make assets easier to find.  
Add a tag

Cancel Create

12. Model yang telah dideploy secara berhasil dapat digunakan selanjutnya untuk proses data testing/prediksi.

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Deployments / Graduation Prediction / Experiment 1 - P4 Snap Boosting Machine Classifier - Model

Deployments Model details

New deployment

Name	Type	Status	Tags	Last modified
deployment 1	Online	Deployed		34 seconds ago Nathanael Owen Kamto (You)

Online deployment ready  
The online deployment deployment 1 in space Graduation Prediction is ready to accept requests  
Today 1:39 PM

Created  
Sep 12, 2023, 3:58 PM

Type  
wml-hybrid\_0.1

Model ID  
41a19596-4fbc-419d-bbe3-f19533...

Software specification  
hybrid\_0.1

Hybrid pipeline software specifications  
autoai-kb\_r122.2-py3.10

Description  
No description provided.

Tags  
Add tags to make assets easier to find.

Source asset details

## 2.4 Data testing/prediksi

Sebelum mentesting model yang sudah dideploy online, dataset harus diatur secara struktur format kolom, diambil sebagian saja dan dikonversi menjadi data csv yang baru. Berikut adalah tampilah dataset yang berhasil diinput sebagai data testing/prediksi untuk model tersebut.

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Dallas

NK

Deployments / Graduation Prediction / Experiment 1 - P4 Snap Boosting...

deployment 1 Deployed Online

API reference **Test**

Enter input data

Text input

JSON input

Enter data manually or use a CSV file to populate the spreadsheet. Max file size is 50 MB.

Download CSV template

Browse local files

Search in space

Clear all

	Judul (other)
1	warga berdesakan dan berebut bantuan Jokowi, wanita hamil terjatuh, anak-anak menangis
2	uji coba ganjil genap jalur puncak berlangsung pekan ini
3	mengenal swing block dalam bola voli
4	meski banjir insentif, pasar apartemen Surabaya tetap stagnan
5	berbagai manfaat kesehatan bersantai
6	ini data aplikasi e-hac dari kemenkes yang diduga alami kebocoran
7	bersikap netral, syakir daulay ogah ikut campur urusan alvin faiz dan zikri daulay
8	sekolah di kebumen mulai besok, guru dari daerah ppkm level 4 belum boleh mengajar
9	disdik kota Bogor matangkan persiapan pembelajaran tatap muka terbatas
10	draf RUU PKS mulai dibahas, komnas perempuan sebut ada 4 isu yang belum terakomodasi
11	pendapatan merosot, ini strategi Garuda Indonesia maksimalkan kinerja hingga akhir tahun
12	ini jadwal lengkap rights issue BRI
13	jumlah penumpang MRT naik 142 persen sejak Jakarta PPKM level 3
14	lirik dan chord lagu Sorrow dari The McCooys

24 rows, 1 column

Predict