

Lab 1 SageMaker Canvas





Terms & Conditions

1. By using the Event Engine for the relevant event, you agree to the [AWS Event Terms and Conditions](#) and the [AWS Acceptable Use Policy](#). You acknowledge and agree that are using an AWS-owned account that you can only access for the duration of the relevant event. If you find residual resources or materials in the AWS-owned account, you will make us aware and cease use of the account. AWS reserves the right to terminate the account and delete the contents at any time.
2. You will not: (a) process or run any operation on any data other than test data sets or lab-approved materials by AWS, and (b) copy, import, export or otherwise create derivative works of materials provided by AWS, including but not limited to, data sets.
3. AWS is under no obligation to enable the transmission of your materials through Event Engine and may, in its discretion, edit, block, refuse to post, or remove your materials at any time.
4. Your use of the Event Engine will comply with these terms and all applicable laws, and your access to Event Engine will immediately and automatically terminate if you do not comply with any of these terms or conditions.

Enter your event hash

A 12 or 16 digit hash that was given to you for this event or for a specific team

#

[Accept Terms & Login](#)



Terms & Conditions

1. By using the Event Engine for the relevant event, you agree to the [AWS Event Terms and Conditions](#) and the [AWS Acceptable Use Policy](#). You acknowledge and agree that are using an AWS-owned account that you can only access for the duration of the relevant event. If you find residual resources or materials in the AWS-owned account, you will make us aware and cease use of the account. AWS reserves the right to terminate the account and delete the contents at any time.
2. You will not: (a) process or run any operation on any data other than test data sets or lab-approved materials by AWS, and (b) copy, import, export or otherwise create derivative works of materials provided by AWS, including but not limited to, data sets.
3. AWS is under no obligation to enable the transmission of your materials through Event Engine and may, in its discretion, edit, block, refuse to post, or remove your materials at any time.
4. Your use of the Event Engine will comply with these terms and all applicable laws, and your access to Event Engine will immediately and automatically terminate if you do not comply with any of these terms or conditions.

Enter your event hash

A 12 or 16 digit hash that was given to you for this event or for a specific team

#

[Accept Terms & Login](#)



Sign in with

Pick the sign-in method you prefer

Email One-Time Password (OTP)

Enter your personal or corporate email to receive a one-time password

Login with Amazon

Login with your Amazon.com retail account

Amazon Employee

(For Amazon Employees Only) Login with your Amazon Corporate account

[Get help signing in](#)



One-time email passcode

Send a passcode to the email below.

Email

Back

Send passcode

[Get help signing in](#)



One-time email passcode

We sent a passcode to michael_tw_lin@msn.com. You should receive it within 5 minutes.

Passcode (9-digit) [Resend passcode](#)

[Back](#)[Sign in](#)

[Get help signing in](#)

- ← → X ↶us-east-1.signin.aws.training/otp/challenge?state=ZXIKMWM...
0lqb2lkWE10WIdGemRDMHhYMHRqV0VkT2RHeFNXU0lzSW5CeWIzWnBaR1...↑ ☆ □ T Paused

One-time email passcode

We sent a passcode to michael_tw_lin@msn.com. You should receive it within 5 minutes.

Passcode (9-digit) [Resend passcode](#)

[Back](#)[Sign in](#)

[Get help signing in](#)

✓ Signin successful. Redirecting...



Event Engine - Team Dashboard X +

← → C ⌂ 🔒 dashboard.eventengine.run/dashboard

Dashboard

Exit Event

Team Dashboard



Event

AWS Console

SSH Key

Event: NoCodeWorkshop2

Team Name: (Team Name Not Set Yet)

Event ID:

Team ID:

Team Dashboard



AWS Console Login

Remember to only use "us-east-1" as your region, unless otherwise directed by the event operator.

Login Link

[Open AWS Console](#)[Copy Login Link](#)

Credentials / CLI Snippets

[Mac / Linux](#)[Windows](#)[Mac or Linux](#)

```
export AWS_DEFAULT_REGION=us-east-1  
export AWS_ACCESS_KEY_ID=[REDACTED]  
export AWS_SECRET_ACCESS_KEY=[REDACTED]  
export AWS_SESSION_TOKEN=[REDACTED]
```

How do I use the AWS CLI?

Checkout the AWS CLI documentation here: <https://docs.aws.amazon.com/cli/latest/userguide/cli-chap-welcome.html>

[OK](#)

AWS Management Console

AWS services

▼ Recently visited services

Your recently visited AWS services appear here.

► All services

Build a solution

Get started with simple wizards and automated

Launch a virtual machine

With EC2

2-3 minutes

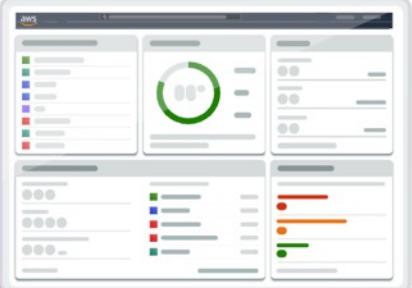


Register a domain

With Route 53

3 minutes

New AWS Console Home



Maybe later

See valuable insights for your account and services with the new customizable Console Home experience. [Learn more](#)

Switch to the new Console Home



New AWS Console Home

valuable insights for your account and services with the new customizable Console Home experience.

[Learn more](#)



Stay connected to your AWS resources on-the-go

AWS Console Mobile App now supports four additional regions. Download the AWS Console Mobile App to your iOS or Android mobile device. [Learn more](#)

Explore AWS

Free AWS Training

Advance your career with AWS Cloud Practitioner Essentials—a free, six-hour,



Services

sagemaker Canvas



N. Virginia

TeamRole/MasterKey @ 3086-6786-0633

The new AWS Console
Starting June 2022,
let us know what you think

Services (2)

Features (4)

Blogs (666)

Documentation (62,803)

Knowledge Articles (24)

Tutorials (9)

Events (7)

Marketplace (136)

Search results for 'sagemaker'

Services



Amazon SageMaker

Build, Train, and Deploy Machine Learning Models



AWS Glue DataBrew

Visual data preparation tool to clean and normalize data for analytics and machine learning

Features

SageMaker Studio

Amazon SageMaker feature

SageMaker Canvas

Amazon SageMaker feature

Notebooks

IoT Analytics feature

Autopilot

Amazon SageMaker feature

Blogs

See all 666 results ▶

With EC2

With Elastic Beanstalk

With Lambda

Switch now

Console Home



Add to your AWS mobile device

Mobile App now available in our additional regions. Download the AWS Console Mobile App for iOS or Android mobile devices. Learn more

Event Engine - Team Dashboard X Amazon SageMaker X +

https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/landing

AWS Services Search for services, features, blogs, docs, and more [Option+S] N. Virginia ▾ TeamRole/MasterKey @ 3086-6786-0633 ▾

Amazon SageMaker

Getting started

Control panel

Studio

Studio Lab NEW

Canvas NEW

RStudio NEW

SageMaker dashboard

Images

Search

► Ground Truth

► Notebook

► Processing

► Training

► Inference

► Edge Manager

MACHINE LEARNING

Amazon SageMaker

Build, train, and deploy machine learning models at scale

The quickest and easiest way to get ML models from idea to production.

How it works

What is Amazon SageMaker?

Amazon SageMaker provides machine learning (ML) capabilities for data scientists and developers to prepare, build, train, and deploy high-quality ML models efficiently.

New user onboarding guide NEW

New to SageMaker?

Get started with Amazon SageMaker by completing the quick start guide.

[Get Started](#)

Documentation

[Getting started](#)

[Tutorials](#)

[Documentation](#)

[Developer Resources](#)

[AWS Developer Forum](#)

[Contact us](#)

Event Engine - Team Dashboard X Amazon SageMaker X + https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/getting-started

AWS Services Search for services, features, blogs, docs, and more [Option+S] N. Virginia ▾ TeamRole/MasterKey @ 3086-6786-0633 ▾

Amazon SageMaker Getting Started

Getting started

- Control panel
- Studio
- Studio Lab  NEW
- Canvas  NEW
- RStudio  NEW

SageMaker dashboard

- Images
- Search
- Ground Truth
- Notebook
- Processing
- Training
- Inference
- Edge Manager

1. Configure SageMaker Domain

Quick setup (1 min) Standard setup (10 min)

A quick setup for a single user that allows full use of SageMaker in less than one minute.

 Set up SageMaker Domain

Set up SageMaker Domain

2. Learn by doing

Automatic model creation (10 min) End-to-end workflow (60 min)

Create a machine learning model automatically with About this tutorial

Event Engine - Team Dashboard X Amazon SageMaker X +

https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/studio/create-domain/quick-setup

Services Search for services, features, blogs, docs, and more [Option+S]

N. Virginia TeamRole/MasterKey @ 3086-6786-0633

Setup SageMaker Domain

Use SageMaker Domain as the central store to manage the configuration of SageMaker for your organization.

Quick setup

Let Amazon SageMaker configure your account, and set up permissions for your SageMaker Domain.

- Public internet access, and standard encryption
- SageMaker Studio Integration
- Sharable SageMaker Studio Notebooks
- IAM Authentication

Standard setup

Control all aspects of account configuration, including permissions, integrations, and encryption.

- Advanced network security, and data encryption
- SageMaker Studio, and RStudio integration
- SageMaker Studio Projects, and Jumpstart configurable
- IAM, or SSO authentication

User profile

Name

default-1651912304819

The name can have up to 63 characters. Valid characters: A-Z, a-z, 0-9, and - (hyphen)

Default execution role

SageMaker Domain requires permissions for its users to access other AWS services, such as Amazon SageMaker and Amazon S3. For a broad range of capabilities, you may attach the [AmazonSageMakerFullAccess](#) policy to the execution role. If you don't have a role with this policy, we can create one for you.

TeamRole

Cancel

Submit

Event Engine - Team Dashboard X Amazon SageMaker X + https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/studio/d-vfsiyvx5xip

AWS Services Search for services, features, blogs, docs, and more [Option+S] N. Virginia ▾ TeamRole/MasterKey @ 3086-6786-0633 ▾

Amazon SageMaker X

Getting started

Control panel

Studio

Studio Lab NEW

Canvas NEW

RStudio NEW

SageMaker dashboard

Images

Search

▶ Ground Truth

▶ Notebook

▶ Processing

▶ Training

▶ Inference

▶ Edge Manager

Preparing SageMaker Domain

We are configuring the quickstart user [default-1651912304819] and resources needed by the domain. This is a one-time configuration and may take a few minutes.

Amazon SageMaker > Control Panel

Control Panel

Configure and manage SageMaker domain, users, and apps.

Users

Search users

Name	Modified on	Created on
No users		

To add a user, choose Add user and enter a user name.

Apps

Configure and launch apps to manage your ML workflow using SageMaker.

Studio Studio Lab Canvas RStudio

Studio

Domain

Status ⓘ Pending

Authentication method ⓘ AWS Identity and Access Management (IAM)

Domain ID ⓘ d-vfsiyvx5xip

Execution role ⓘ arn:aws:iam::30867860633:role/TeamRole

Event Engine - Team Dashboard X | Amazon SageMaker X | S3 Management Console X | +

https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/studio/d-vfsiyvx5xip

AWS Services Search for services, features, blogs, docs, and more [Option+S] N. Virginia ▾ TeamRole/MasterKey @ 3086-6786-0633 ▾

Amazon SageMaker X

The SageMaker Domain is ready
Choose your user name, then choose Launch app to get started.

Getting started

Control panel

Studio

Studio Lab NEW

Canvas NEW

RStudio NEW

SageMaker dashboard

Images

Search

▶ Ground Truth

▶ Notebook

▶ Processing

▶ Training

▶ Inference

▶ Edge Manager

Control Panel

Configure and manage SageMaker domain, users, and apps.

Users

Name	Modified on	Created on
default-1651912304819	May 07, 2022 08:37 UTC	May 07, 2022 08:37 UTC

Launch app

Apps

Configure and launch apps to manage your ML workflow using SageMaker.

Studio Studio Lab Canvas RStudio

Studio

Amazon SageMaker Studio provides a single, web-based visual interface where you can perform all ML development steps, including

Domain

Status ⓘ Ready

Authentication method ⓘ AWS Identity and Access Management (IAM)

Domain ID ⓘ d-vfsiyvx5xip

Execution role ⓘ arn:aws:iam::30867860633:role/TeamRole

Event Engine - Team Dashboard X | Amazon SageMaker X | S3 Management Console X +

https://s3.console.aws.amazon.com/s3/buckets?region=us-east-1

AWS Services Search for services, features, blogs, docs, and more [Option+S]

Global TeamRole/MasterKey @ 3086-6786-0633

Amazon S3

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

▼ Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight 3

▶ AWS Marketplace for S3

Amazon S3 > Buckets

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

Buckets (1) Info

Buckets are containers for data stored in S3. [Learn more](#)

[Find buckets by name](#)

Name	AWS Region	Access	Creation date
sagemaker-studio-308667860633-h984qtyxmy	US East (N. Virginia) us-east-1	Objects can be public	May 7, 2022, 16:31:56 (UTC+08:00)

[C](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/canvas-landing

AWS Services Search for services, features, blogs, docs, and more [Option+S] N. Virginia ▾ TeamRole/MasterKey @ 3086-6786-0633 ▾

Amazon SageMaker

Getting started

Control panel

Studio

Studio Lab NEW

Canvas NEW 

RStudio NEW

SageMaker dashboard

Images

Search

► Ground Truth

► Notebook

► Processing

► Training

► Inference

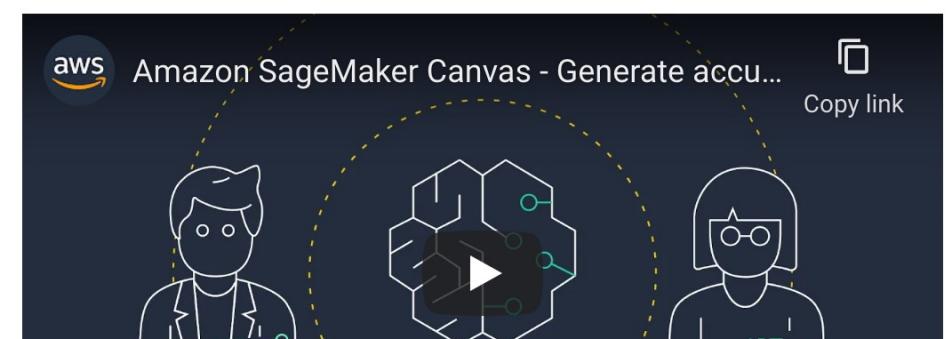
► Edge Manager

Amazon SageMaker

SageMaker Canvas

Generate accurate machine learning predictions — no code required

How it works



Copy link

Get Started

Get started with Amazon SageMaker Canvas

Launch SageMaker Canvas

Pricing (US)

AWS Free Tier

If you are new to SageMaker you are eligible for the AWS Free Tier which includes up to 10 models with up to 1M cells of data free for the first 2 months.

[Learn More](#)

Documentation

Event Engine - Team Dashboard X Amazon SageMaker X S3 Management Console X | +

https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/studio/d-vfsiyvx5xip

AWS Services Search for services, features, blogs, docs, and more [Option+S] N. Virginia ▾ TeamRole/MasterKey @ 3086-6786-0633 ▾

Amazon SageMaker Control Panel

Configure and manage SageMaker domain, users, and apps.

Users

Name	Modified on	Created on
default-1651912304819	May 07, 2022 08:37 UTC	May 07, 2022 08:37 UTC

Launch app

Apps

Configure and launch apps to manage your ML workflow using SageMaker.

Studio Studio Lab Canvas RStudio

Studio

Amazon SageMaker Studio provides a single, web-based visual interface where you can perform all ML development steps, including building notebooks, experiment management, automatic model creation, debugging, and model and data drift detection.

Learn more

Domain

Status ⓘ Ready

Authentication method ⓘ AWS Identity and Access Management (IAM)

Domain ID ⓘ d-vfsiyvx5xip

Execution role ⓘ arn:aws:iam::308667860633:role/TeamRole



Event Engine - Team Dashboard X Amazon SageMaker X S3 Management Console X | +

https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/studio/d-vfsiyvx5xip

AWS Services Search for services, features, blogs, docs, and more [Option+S]

N. Virginia TeamRole/MasterKey @ 3086-6786-0633

Amazon SageMaker Control Panel

Configure and manage SageMaker domain, users, and apps.

Users

Name	Modified on	Created on
default-1651912304819	May 07, 2022 08:37 UTC	May 07, 2022 08:37 UTC

Launch app ▾
Studio
Canvas

Apps

Configure and launch apps to manage your ML workflow using SageMaker.

Studio Studio Lab Canvas RStudio

Studio

Amazon SageMaker Studio provides a single, web-based visual interface where you can perform all ML development steps, including building notebooks, experiment management, automatic model creation, debugging, and model and data drift detection.

Learn more ↗

Domain

Status ⓘ **Ready**

Authentication method ⓘ AWS Identity and Access Management (IAM)

Domain ID ⓘ d-vfsiyvx5xip

Execution role ⓘ arn:aws:iam::308667860633:role/TeamRole

Getting started

Control panel

Studio

Studio Lab NEW

Canvas NEW

RStudio NEW

SageMaker dashboard

Images

Search

▶ Ground Truth

▶ Notebook

▶ Processing

▶ Training

▶ Inference

▶ Edge Manager

Event Engine - Team Dashboard X | Amazon SageMaker X | S3 Management Console X | +

https://us-east-1.console.aws.amazon.com/sagemaker/home?region=us-east-1#/studio/d-vfsiyvx5xip

aws Services Search for services, features, blogs, docs, and more [Option+S]

N. Virginia ▾ TeamRole/MasterKey @ 3086-6786-0633 ▾

Amazon SageMaker X

Getting started

Control panel

- Studio
- Studio Lab NEW
- Canvas NEW
- RStudio NEW

SageMaker dashboard

- Images
- Search
- ▶ Ground Truth
- ▶ Notebook
- ▶ Processing
- ▶ Training
- ▶ Inference
- ▶ Edge Manager

Amazon SageMaker Control Panel

Configure and manage SageMaker domain, users, and apps.

Users

Name	Modified on	Created on
default-1651912304819	May 07, 2022 08:37 UTC	May 07, 2022 08:37 UTC

Domain

Status ⓘ Ready

Authentication method ⓘ AWS Identity and Access Management (IAM)

Open Link in New Tab
Open Link in New Window
Open Link in Incognito Window
Save Link As...
Copy Link Address
Inspect

08667860633: role/TeamRole

Apps

Configure and launch apps to manage your ML workflow using SageMaker.

Studio Studio Lab Canvas RStudio

Studio

Amazon SageMaker Studio provides a single, web-based visual interface where you can perform all ML development steps, including building notebooks, experiment management, automatic model creation, debugging, and model and data drift detection.

Learn more ↗



Amazon SageMaker Canvas

Creating application... 

https://**Vx0yxxxp**.studio.us-east-1.sagemaker.aws/canvas/default/models

Amazon SageMaker
Canvas

Models

Datasets

Help

Account

Models

Search models

+ New model

You haven't created any models yet.

Create a new model.

+ New model

Event Engine - Team Dashboard X | Amazon SageMaker X | S3 Management Console X | SageMaker Canvas X | +

https://s3.console.aws.amazon.com/s3/buckets?region=us-east-1

AWS Services Search for services, features, blogs, docs, and more [Option+S]

Amazon S3 Buckets

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

Amazon S3 > Buckets

▶ Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

Buckets (2) Info

Buckets are containers for data stored in S3. [Learn more](#)

[C](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

Find buckets by name

Name	AWS Region	Access	Creation date
sagemaker-studio-308667860633-h984qtyxmy	US East (N. Virginia) us-east-1	Objects can be public	May 7, 2022, 16:31:56 (UTC+08:00)
sagemaker-us-east-1-308667860633	US East (N. Virginia) us-east-1	Objects can be public	May 7, 2022, 16:42:00 (UTC+08:00)

Datasets

+ Import



You haven't imported any data yet.

Import new data.

+ Import



Import X

 Upload  S3 Add connection

Choose files to import

Amazon S3  Search Amazon S3

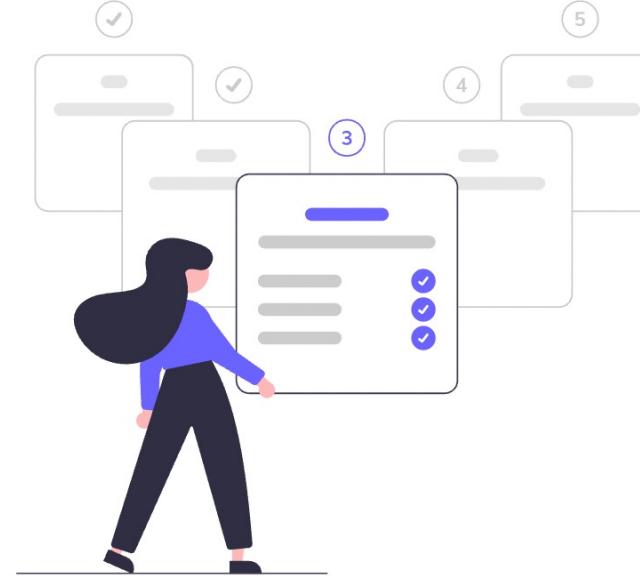
<input type="checkbox"/>	Name	Created on ↓
<input type="checkbox"/>	sagemaker-us-east-1-308667860633	05/07/2022 4:42 PM
<input type="checkbox"/>	sagemaker-studio-308667860633-h984qtyxmy	05/07/2022 4:31 PM

Event Engine - Team Dashboard X | Amazon SageMaker X | S3 Management Console X | SageMaker Canvas X +

https://d-vfsiyvx5xixp.studio.us-east-1.sagemaker.aws/canvas/default/datasets

Import X

Upload S3 Add connection



Local file upload needs to be setup

You or your administrator need to set up the local file upload. [Learn more](#)

A red arrow points from the text "You or your administrator need to set up the local file upload." to the word "Learn more".

Give your users the ability to upload local files

PDF RSS

If your users are uploading files from their local machines, attach a CORS policy to the Amazon S3 bucket that they're using. When one of your users first accesses Amazon SageMaker Canvas, Amazon SageMaker creates an Amazon S3 bucket with a name that uses the following pattern: `sagemaker-AWS-Region-AWS-account-id`. SageMaker Canvas can add your users' data to the bucket whenever they upload a file. To give them the ability to upload local files to the bucket, you attach a CORS policy to it using the following procedure.

1. Sign in to <https://console.aws.amazon.com/s3/>.
2. Choose the bucket with the name that uses the following pattern: `sagemaker-Region-your-account-id`.
3. Choose **Permissions**.
4. Navigate to **Cross-origins resource sharing (CORS)**.
5. Choose **Edit**.
6. Add the following CORS policy:

```
[  
  {  
    "AllowedHeaders": [  
      "*"  
    ],  
    "AllowedMethods": [  
      "POST"  
    ],  
    "AllowedOrigins": [  
      "*"  
    ],  
    "ExposeHeaders": []  
  }]
```

Give your users the ability to upload local files

PDF RSS

If your users are uploading files from their local machines, attach a CORS policy to the Amazon S3 bucket that they're using. When one of your users first accesses Amazon SageMaker Canvas, Amazon SageMaker creates an Amazon S3 bucket with a name that uses the following pattern: `sagemaker- AWS-Region - AWS-account-id`. SageMaker Canvas can add your users' data to the bucket whenever they upload a file. To give them the ability to upload local files to the bucket, you attach a CORS policy to it using the following procedure.

1. Sign in to <https://console.aws.amazon.com/s3/>.
2. Choose the bucket with the name that uses the following pattern: `sagemaker- Region - your-account-id`.
3. Choose **Permissions**.
4. Navigate to **Cross-origins resource sharing (CORS)**.
5. Choose **Edit**.
6. Add the following CORS policy:

```
[  
  {  
    "AllowedHeaders": [  
      "*"  
    ],  
    "AllowedMethods": [  
      "POST"  
    ],  
    "AllowedOrigins": [  
      "*"  
    ],  
    "ExposeHeaders": []  
  }  
]
```



Event Engine - Team Dashboard X | Amazon SageMaker X | S3 Management Console X | SageMaker Canvas X | Give your users the ability to up X +

https://s3.console.aws.amazon.com/s3/buckets?region=us-east-1

AWS Services Search for services, features, blogs, docs, and more [Option+S]

Amazon S3 Buckets

Buckets

- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- Access analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

Amazon S3 > Buckets

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

Buckets (2) Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
sagemaker-studio-308667860633-h984qtyxmy	US East (N. Virginia) us-east-1	Objects can be public	May 7, 2022, 16:31:56 (UTC+08:00)
sagemaker-us-east-1-308667860633	US East (N. Virginia) us-east-1	Objects can be public	May 7, 2022, 16:42:00 (UTC+08:00)

[C](#) [Copy ARN](#) [Empty](#) [Delete](#) [Create bucket](#)

1

Red arrow pointing to the second row of the table, specifically the 'Name' column for the bucket 'sagemaker-us-east-1-308667860633'.

Event Engine - Team Dashboard X | Amazon SageMaker X | sagemaker-us-east-1-308667860633 X | SageMaker Canvas X | Give your users the ability to up X +

← → C ⌘ ⌘ https://s3.console.aws.amazon.com/s3/buckets/sagemaker-us-east-1-308667860633?region=us-east-1&tab=objects

AWS Services Search for services, features, blogs, docs, and more [Option+S]

Amazon S3 Buckets Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations Access analyzer for S3 Block Public Access settings for this account Storage Lens Dashboards AWS Organizations settings Feature spotlight 3 AWS Marketplace for S3

Amazon S3 > Buckets > sagemaker-us-east-1-308667860633

sagemaker-us-east-1-308667860633 Info

Objects Properties Permissions Metrics Management Access Points

Objects (0)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder

Upload

Find objects by prefix < 1 >

Name	Type	Last modified	Size	Storage class
No objects				

You don't have any objects in this bucket.

Upload

Event Engine - Team Dashboard X | Amazon SageMaker X | sagemaker-us-east-1-308667860633 X | SageMaker Canvas X | Give your users the ability to up X +

← → C ⌂ 🔍 https://s3.console.aws.amazon.com/s3/buckets/sagemaker-us-east-1-308667860633?region=us-east-1&tab=permissions

AWS Services Search for services, features, blogs, docs, and more [Option+S]

Amazon S3 Buckets

Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations Access analyzer for S3

Block Public Access settings for this account

▼ Storage Lens Dashboards AWS Organizations settings

Feature spotlight 3

▶ AWS Marketplace for S3

Amazon S3 > Buckets > sagemaker-us-east-1-308667860633

sagemaker-us-east-1-308667860633 Info

Objects Properties Permissions Metrics Management Access Points

Permissions overview

Access

Objects can be public

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

[Edit](#)

Block all public access

⚠ Off

▶ Individual Block Public Access settings for this bucket



Services

Search for services, features, blogs, docs, and more

[Option+S]



Global ▾

TeamRole/MasterKey @ 3086-6786-0633 ▾

Amazon S3



Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

▼ Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

▶ AWS Marketplace for S3

S3 log delivery group

Group: http://acs.amazonaws.com/groups/s3/LogDelivery

Cross-origin resource sharing (CORS)

The CORS configuration, written in JSON, defines a way for client web applications that are loaded in one domain to interact with resources in a different domain. [Learn more](#)

[Edit](#)

No configurations to display

Copy

Event Engine - Team Dashboard X | Amazon SageMaker X | sagemaker-us-east-1-308667860633 X | SageMaker Canvas X | Give your users the ability to up X +

← → C ⌂ 🔍 https://s3.console.aws.amazon.com/s3/bucket/sagemaker-us-east-1-308667860633/property/cors/edit?region=us-east-1

AWS Services Search for services, features, blogs, docs, and more [Option+S]

Amazon S3 Buckets Access Points Object Lambda Access Points Multi-Region Access Points Batch Operations Access analyzer for S3

Block Public Access settings for this account

Storage Lens Dashboards AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

Amazon S3 > Buckets > sagemaker-us-east-1-308667860633 > Edit cross-origin resource sharing (CORS)

Edit cross-origin resource sharing (CORS) Info

Cross-origin resource sharing (CORS)

The CORS configuration, written in JSON, defines a way for client web applications that are loaded in one domain to interact with resources in a different domain. [Learn more](#)

```
1 {  
2   "AllowedHeaders": [  
3     "*"  
4   ],  
5   "AllowedMethods": [  
6     "POST"  
7   ],  
8   "AllowedOrigins": [  
9     "*"  
10  ],  
11  "ExposeHeaders": []  
12}  
13  
14  
15
```

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

▶ AWS Marketplace for S3

Edit cross-origin resource sharing (CORS) Info

Cross-origin resource sharing (CORS)

The CORS configuration, written in JSON, defines a way for client web applications that are loaded in one domain to interact with resources in a different domain. [Learn more](#)

```
1 {  
2   "AllowedHeaders": [  
3     "*"  
4   ],  
5   "AllowedMethods": [  
6     "POST"  
7   ],  
8   "AllowedOrigins": [  
9     "*"  
10  ],  
11  "ExposeHeaders": []  
12}  
13  
14  
15
```

Cancel

Save changes



sagemaker-us-east-1-308667860633 Info

Objects Properties Permissions Metrics Management Access Points

Permissions overview

Access

Objects can be public

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Edit

Block all public access

Off

▶ Individual Block Public Access settings for this bucket

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

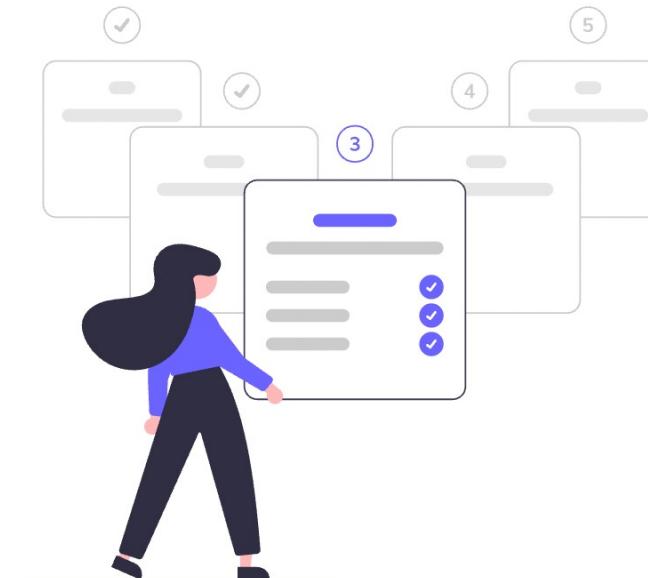
▶ AWS Marketplace for S3

Import

 Upload

 S3

Add connection



Local file upload needs to be setup

You or your administrator need to set up the local file upload. [Learn more](#)

Import

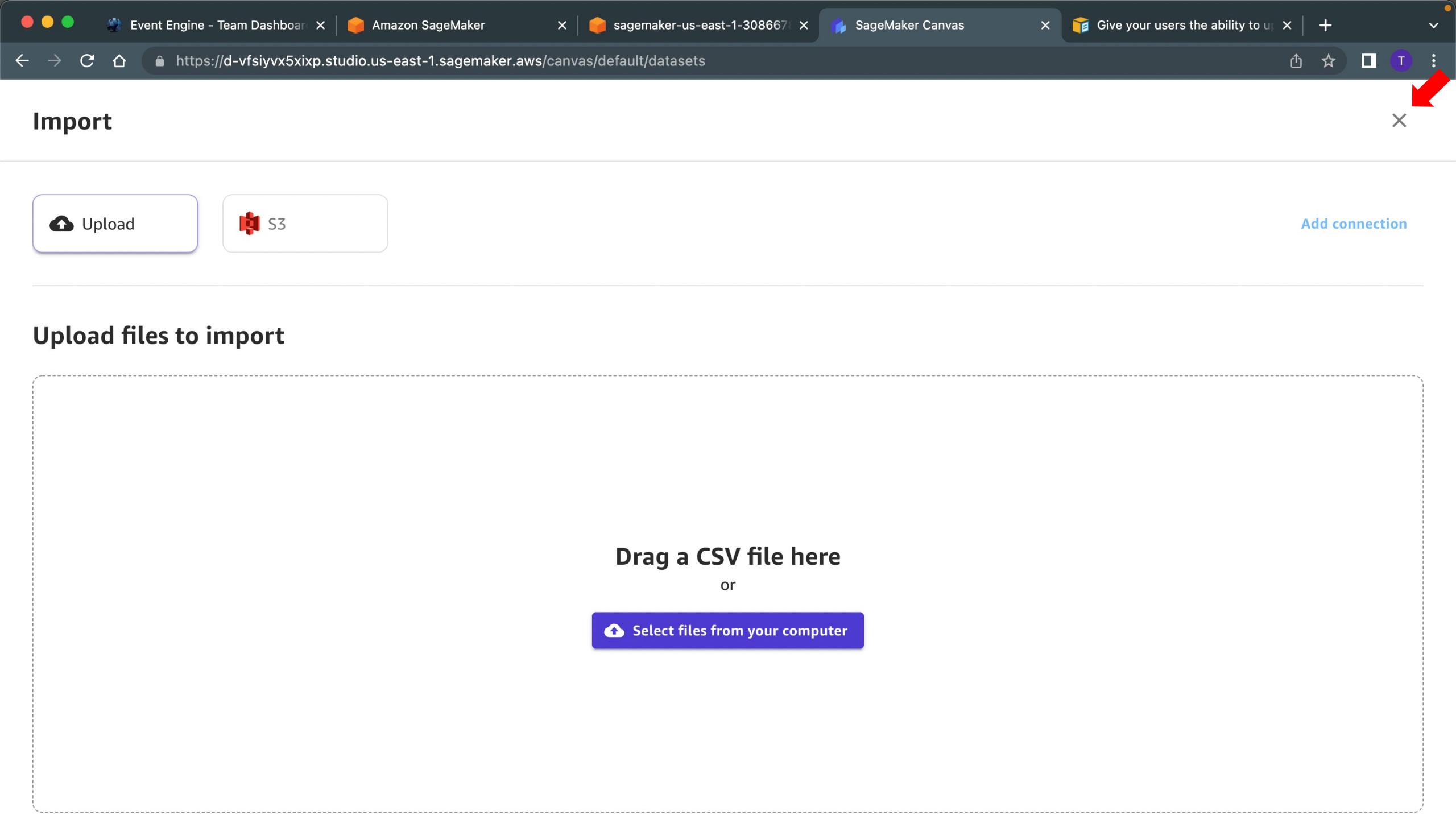
[Upload](#)[S3](#)[Add connection](#)

Upload files to import

Drag a CSV file here

or

 Select files from your computer

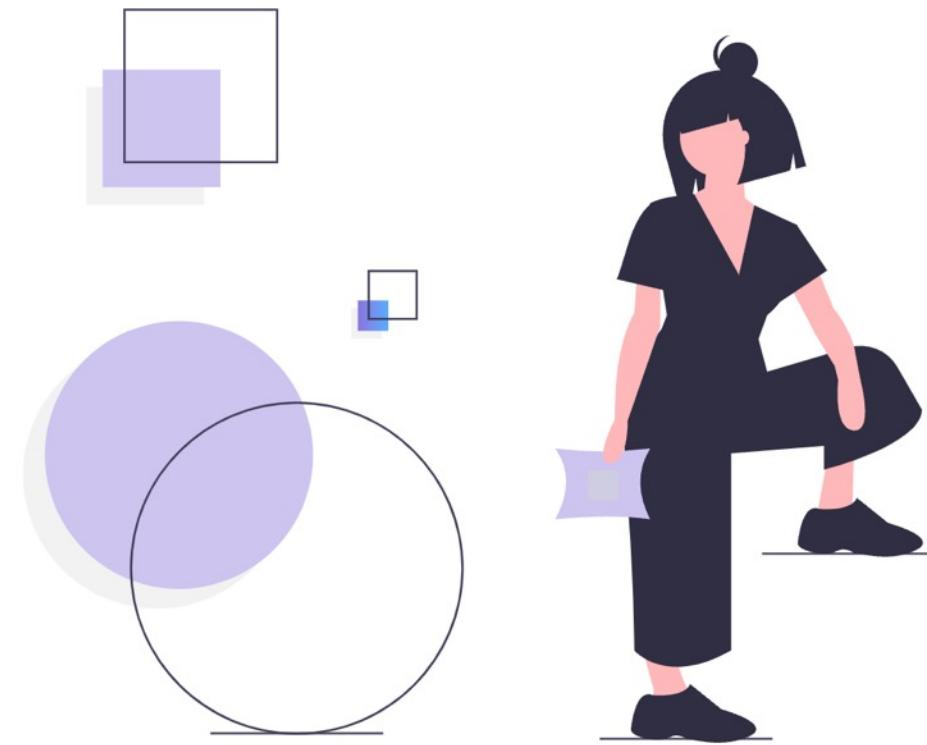




Models

 Search models

+ New model



You haven't created any models yet.

Create a new model.

+ New model

Create new model

X

Model name

Titanic 20220218

Use only letters, numbers, and underscores up to 32 characters.

Cancel

Create

You haven't created any models yet.

Create a new model.

+ New model

Select

Build

Analyze

Predict

...

Build your first model in 4 simple steps.

① Select data

Add or import data from different sources.

② Build model

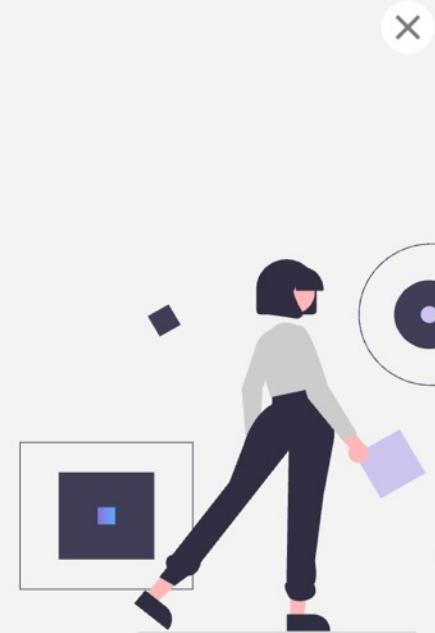
Select a column to predict and build your model.

③ Analyze results

View insights from your prediction model such as accuracy and column impact.

④ Generate predictions

Make predictions and collaborate with machine learning experts in your organization.

[Skip intro](#)[Continue →](#)[Import data to Canvas](#)[Close](#)

Paused

Titanic 20220218

V1 • Draft ▾

Add version

Share

⋮

Select Build Analyze Predict

Revisit the Getting Started guide.

Import data to Canvas

Close

The screenshot shows the Amazon SageMaker Canvas interface for a model named "Titanic 20220218". The top navigation bar includes tabs for "Select", "Build", "Analyze", and "Predict", with "Select" being the active tab. On the left, there are icons for "Revisit the Getting Started guide.", "Do", and "Close". The main content area features a placeholder figure of a man in a blue shirt and black pants, and a grid icon representing data selection. A large blue button at the bottom center says "Import data to Canvas".

Import



Upload

S3

Add connection

Choose files to import

Amazon S3

Search Amazon S3

<input type="checkbox"/>	Name	Created on ↓
	sagemaker-us-east-1-834120567544	02/16/2022 9:06 PM
	sagemaker-studio-834120567544-5zbey54q71a	02/16/2022 8:55 PM

Import

 Upload

 S3

Add connection

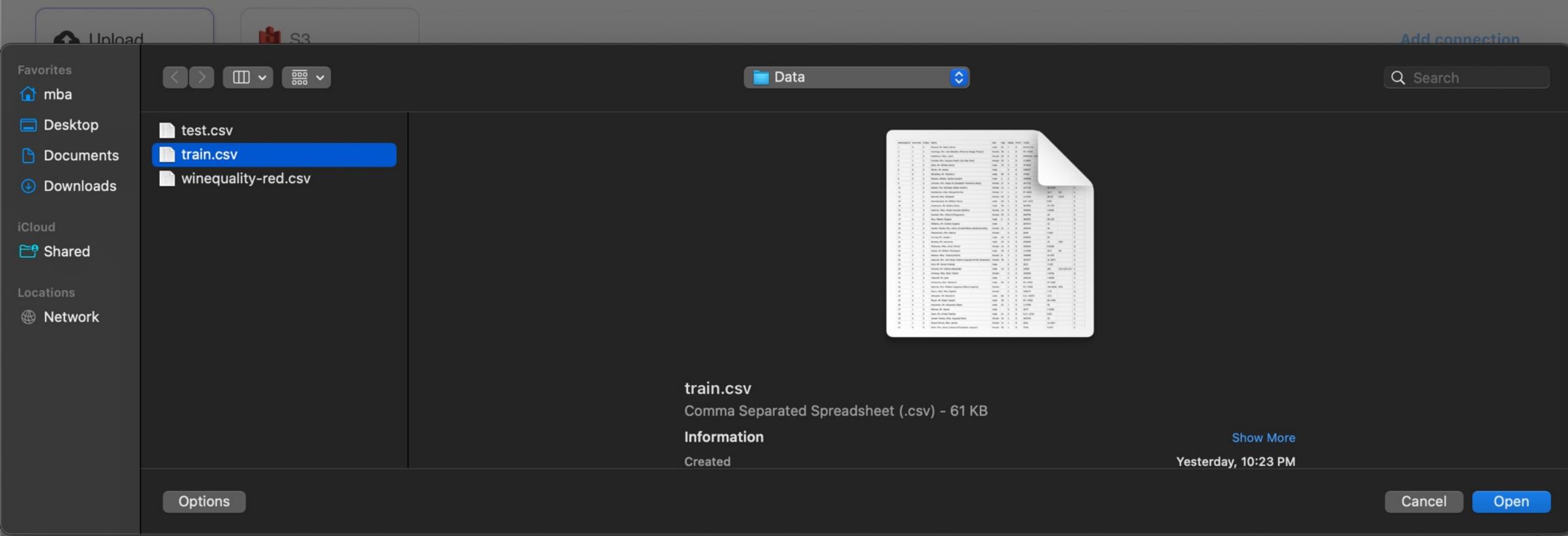
Upload files to import

Drag a CSV file here

on

 Select files from your computer

Import



 Upload S3[Add connection](#)

Upload files to import

Drag a CSV file here

or

 Select files from your computer

1 dataset ready to import

train.csv

Delete all



Preview

Cancel

Import data

Import

Upload S3 Add connection

Upload files to import

Import preview Previewing first 100 rows Close preview Import data

train.csv ▾ Use first row as header ⓘ Delete

PassengerId	Survived	Pclass	Name	Sex	Age	SibSp
1	0	3	Braund, Mr. Owen Harris	male	22	1
2	1	1	Cumings, Mrs. John Bradl...	female	38	1
3	1	3	Heikkinen, Miss. Laina	female	26	0
4	1	1	Futrelle, Mrs. Jacques He...	female	35	1
5	0	3	Allen, Mr. William Henry	male	35	0

Titanic 20220218

V1 Draft Add version Share ⌂

Select Build Analyze Predict

Select dataset

You can import a tabular dataset or choose one that has already been imported. Your dataset must contain at least one input column and a target column.

Join Import

Search datasets in Canvas

All Joined

Name	Source	Columns	Rows	Created	Status
train.csv	Local			02/16/2022 9:21 PM	Processing

Titanic 20220218

V1 Draft Add version Share ⌂

Select Build Analyze Predict

Select dataset

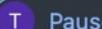
You can import a tabular dataset or choose one that has already been imported. Your dataset must contain at least one input column and a target column.

Join Import

Search datasets in Canvas

All	Joined				
Name	Source	Columns	Rows	Created	Status
train.csv	Local	12	891	02/16/2022 9:21 PM	Ready

 d-iceiqcsfx9pm.studio.us-east-1.sagemaker.aws/canvas/default/models/Titanic%2020220218

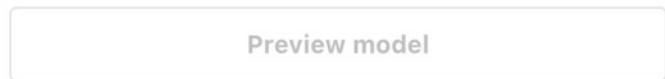
Titanic 20220218

V1 Draft  Add version Share 

Select **Build** Analyze Predict

Select a column to predict
Choose the target column. The model that you build predicts values for the column that you select.
 Target column

Model type
SageMaker Canvas automatically recommends the appropriate model type for your analysis.
To see a recommended model type, specify a value for the target column.

 Quick build
 Preview model

train(2).csv      

 Column name 	Data type	Missing 	Mismatched 	Unique 	Mean / Mode
<input checked="" type="checkbox"/> Ticket	Numeric	0.00% (0)	0.00% (0)	681	1,601
<input checked="" type="checkbox"/> Survived	Binary	0.00% (0)	0.00% (0)	2	0
<input checked="" type="checkbox"/> SibSp	Numeric	0.00% (0)	0.00% (0)	7	0
<input checked="" type="checkbox"/> Sex	Binary	0.00% (0)	0.00% (0)	2	male



Select

Build

Analyze

Predict

Select a column to predict

Choose the target column. The model that you build predicts values for the column that you select.



Target column

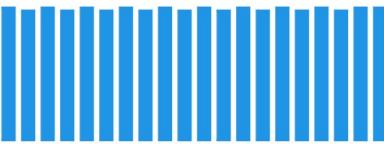
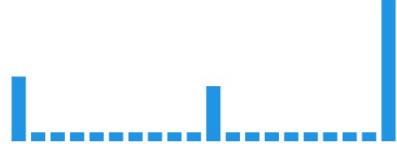
Model type

SageMaker Canvas automatically recommends the appropriate model type for your analysis.

To see a recommended model type, specify a value for the target column.

Quick build

Preview model

train(2).csv		≡	☰	Y	☰	Search columns	☰
<input checked="" type="checkbox"/> PassengerId	123	<input checked="" type="checkbox"/> Survived	Abc	<input checked="" type="checkbox"/> Pclass	123	<input checked="" type="checkbox"/> Name	A
	1.00 846.50		2 Categories		1.00 2.90		891 Values
1	0	3	Braund, Mr. Owen Harris	male	22		
2	1	1	Cumings, Mrs. John Bradley (Fl...)	female			

Titanic 20220218

V1 Draft Add version Share

Select Build Analyze Predict

Select a column to predict

Choose the target column. The model that you build predicts values for the column that you select.

Target column

Model type

SageMaker Canvas automatically recommends the appropriate model type for your analysis.

To see a recommended model type, specify a value for the target column.

Quick build

Preview model

train(2).csv

Search columns

<input type="checkbox"/> Column name ↓	Data type	Missing ⓘ	Mismatched ⓘ	Unique ⓘ	Mean / Mode
<input checked="" type="checkbox"/> Fare	Numeric	0.00% (0)	0.00% (0)	248	8.05
<input checked="" type="checkbox"/> Embarked	Categorical	0.22% (2)	0.00% (0)	3	S
<input type="checkbox"/> Cabin	Text	77.10% (687)	0.00% (0)	147	B96 B98
<input checked="" type="checkbox"/> Age	Numeric	19.87% (177)	0.00% (0)	88	24

Titanic 20220218

V1 Draft Add version Share

Select Build Analyze Predict

Select a column to predict

Choose the target column. The model that you build predicts values for the column that you select.

Target column

Model type

SageMaker Canvas automatically recommends the appropriate model type for your analysis.

To see a recommended model type, specify a value for the target column.

Quick build

Preview model

train(2).csv

Search columns

<input type="checkbox"/> Column name ↓	Data type	Missing ⓘ	Mismatched ⓘ	Unique ⓘ	Mean / Mode
<input type="checkbox"/> PassengerId	Numeric	0.00% (0)	0.00% (0)	891	1
<input checked="" type="checkbox"/> Parch	Numeric	0.00% (0)	0.00% (0)	7	0
<input type="checkbox"/> Name	Text	0.00% (0)	0.00% (0)	891	Abbing, Mr. Anthony
<input checked="" type="checkbox"/> Fare	Numeric	0.00% (0)	0.00% (0)	248	8.05

Event Engine - Team Dashboard X | sagemaker-us-east-1-834120E X | Amazon SageMaker X | SageMaker Canvas X | Getting started with using Ama X | +

← → C ⌂ 🔒 d-iceiqcsfx9pm.studio.us-east-1.sagemaker.aws/canvas/default/models/Titanic%2020220218

V1 • Draft ▾ Add version Share ⋮

Titanic 20220218

Select Build Analyze Predict

Select a column to predict

Choose the target column. The model that you build predicts values for the column that you select.

Target column

123 PassengerId
Abc Survived
123 Pclass
A Name
Abc Sex
123 Age
123 SibSp
123 Parch
123 Ticket
SibSp Numeric
Sex Binary

Model type

SageMaker Canvas automatically recommends the appropriate model type for your analysis.

To see a recommended model type, specify a value for the target column.

Quick build

Preview model

Search columns

	Missing ⓘ	Mismatched ⓘ	Unique ⓘ	Mean / Mode	
123 SibSp	0.00% (0)	0.00% (0)	681	1,601	
123 Parch	0.00% (0)	0.00% (0)	2	0	
123 Ticket	0.00% (0)	0.00% (0)	7	0	
SibSp	Numeric	0.00% (0)	0.00% (0)	7	0
Sex	Binary	0.00% (0)	0.00% (0)	2	male

Titanic 20220218

V1 · Draft · Add version · Share · More

Select Build Analyze Predict

Select a column to predict

Choose the target column. The model that you build predicts values for the column that you select.

Target column: Survived

Value distribution:

Category	Count
0	~750
1	~250

Model type

SageMaker Canvas automatically recommends the appropriate model type for your analysis.

💡 2 category prediction

Your model classifies Survived into two categories.

Change type

Quick build

Standard build
Choose accuracy over speed. Building usually takes between 2–4 hours.

Quick build
Choose speed over accuracy. Building usually takes 2–15 minutes. You can't share quick build models.

train(2).csv

3

Search columns

Column name ↓	Data type	Missing	Mismatched	Unique	Mean / Mode	Correlation to target
Ticket	Numeric	0.00% (0)	0.00% (0)	681	1,601	N/A
Survived	Binary	0.00% (0)	0.00% (0)	2	0	--
SibSp	Numeric	0.00% (0)	0.00% (0)	7	0	-0.035



Titanic 20220218

V1

Draft ⏺

+ Add version

Share

⋮



Select

Build

Analyze

Predict



Model overview

Your model is being created. Quick build usually takes 2–15 minutes. You can now leave this view.

Expected build time
2–15 minutes

Build type
Quick build

Detailed progress
Generating column impact



d-iceiqcsfx9pm.studio.us-east-1.sagemaker.aws/canvas/default/models

Paused

Models

Search models

+ New model

Grid List

Filter by: Ready

Last viewed

In building

Titanic 20220218

Score --

Dataset [train\(2\).csv](#)

Target Survived



Models

Search models

+ New model



Grid List

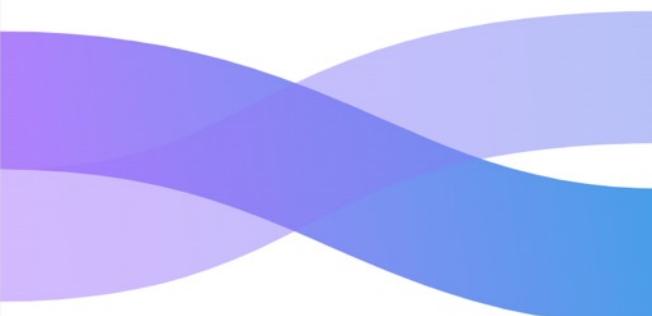


Filter by: Ready

>Last viewed

Ready

Titanic 20220218



Score **82.682%**

Dataset [train\(2\).csv](#)

Target **Survived**

Problem type **2 category prediction**



Event Engine - Team Dashboard X | sagemaker-us-east-1-834120E X | Amazon SageMaker X | SageMaker Canvas X | Getting started with using Ama X | +

d-iceiqcsfx9pm.studio.us-east-1.sagemaker.aws/canvas/default/models/Titanic%2020220218

V1 • Ready Add version Share ...

Titanic 20220218

Select Build Analyze Predict

Model status

82.682%

The model predicts the correct Survived 82.682% of the time. ⓘ

Predict Share with SageMaker Studio

Overview Scoring

Column impact ⓘ

Search columns...

Rank	Column	Impact (%)
1	Sex	37.045%
2	Pclass	31.193%
3	Ticket	10.361%
4	Age	9.907%

Impact of Sex on prediction of Survived

Impact on prediction

male

female

d-iceiqcsfx9pm.studio.us-east-1.sagemaker.aws/canvas/default/models/Titanic%2020220218

V1 • Ready ▾

Add version

Share

T Paused

Titanic 20220218

Select Build Analyze Predict

Predict target values

Batch prediction Single prediction

Generates predictions for an entire dataset.

Select a dataset to generate predictions

Select dataset

Predictions

Search predictions

Dataset Rows Created Status

?

Do





Select

Build

Analyze

Predict

Predict target values

Batch prediction

Single prediction

Modify values to predict Survived in real time.

 Filter columns

Column	Feature importance	Value	Survived Prediction	Copy
SibSp	<div style="width: 26.873%;">26.873%</div>	<input type="text" value="0"/>	No	
Pclass	<div style="width: 26.685%;">26.685%</div>	<input type="text" value="3"/>		
Parch	<div style="width: 9.565%;">9.565%</div>	<input type="text" value="0"/>	Average prediction	
Sex	<div style="width: 1.757%;">1.757%</div>	<input style="width: 100px; height: 20px; border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;" type="text" value="male"/> <div style="border: 1px solid #ccc; width: 100%; height: 10px; background-color: #f0f0f0;"></div>	No 52.951% (i)	
Ticket	<div style="width: 1.727%;">1.727%</div>	<input type="text" value="1601"/>		
Age	<div style="width: 1.64%;">1.64%</div>	<input type="text" value="24"/>	Yes 47.049% (i)	

Close

Download



Select

Build

Analyze

Predict

Predict target values

Batch prediction

Single prediction

Modify values to predict Survived in real time.

 Filter columns

Column	Feature importance	Value
SibSp	26.873%	<input type="text" value="0"/>
Pclass	26.685%	<input type="text" value="3"/>
Parch	9.565%	<input type="text" value="0"/>
Sex	1.757%	<input type="text" value="female"/> × ▼
Ticket	1.727%	<input type="text" value="1601"/>
Age	1.64%	<input type="text" value="24"/>

Survived Prediction

Copy

You made 1 change to your sections. Update for a new prediction and feature importance metrics.

Update

No

Average prediction

52.051%

Close

Download



Select

Build

Analyze

Predict



Predict target values

Batch prediction

Single prediction

Modify values to predict Survived in real time.

Filter columns

Column	Feature importance	Value	Survived Prediction	Copy
SibSp	13.492%	0	Yes	<input checked="" type="checkbox"/> New prediction <input type="checkbox"/> Average prediction
Pclass	16.618%	3	No	45.851% ⓘ
Parch	7.54%	0	Yes	54.149% ⓘ
Sex	1.377%	female		
Ticket	2.218%	1601		
Age	4.548%	24		

Close

Download



Select

Build

Analyze

Predict

Predict target values

Batch prediction

Single prediction

Modify values to predict Survived in real time.

 Filter columns

Column	Feature importance	Value	🕒
SibSp	13.492%	0	🕒
Pclass	16.618%	3	🕒
Parch	7.54%	0	🕒
Sex	1.377%	female	🕒
Ticket	2.218%	1601	🕒
Age	4.548%	70	🕒

Survived Prediction

Copy

You made 1 change to your sections. Update for a new prediction and feature importance metrics.

Update

Yes

- New prediction
- Average prediction

Close

Download



Select

Build

Analyze

Predict

Predict target values

Batch prediction

Single prediction

Modify values to predict Survived in real time.

 Filter columns

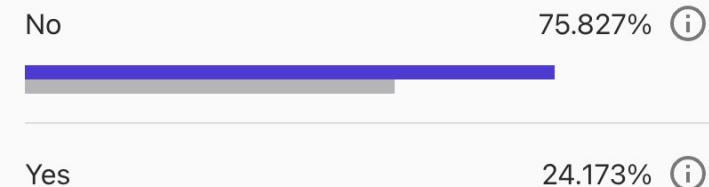
Column	Feature importance	Value
SibSp	<div style="width: 18.378%;"><div style="width: 100%; background-color: #58357E;"></div></div> 18.378%	<input type="text" value="0"/>
Pclass	<div style="width: 27.56%;"><div style="width: 100%; background-color: #58357E;"></div></div> 27.56%	<input type="text" value="3"/>
Parch	<div style="width: 5.852%;"><div style="width: 100%; background-color: #58357E;"></div></div> 5.852%	<input type="text" value="0"/>
Sex	<div style="width: 2.84%;"><div style="width: 100%; background-color: #58357E;"></div></div> 2.84%	<input type="text" value="female"/> ▼
Ticket	<div style="width: 1.977%;"><div style="width: 100%; background-color: #58357E;"></div></div> 1.977%	<input type="text" value="1601"/>
Age	<div style="width: 4.016%;"><div style="width: 100%; background-color: #58357E;"></div></div> 4.016%	<input type="text" value="70"/>

Survived Prediction

Copy

No

█ New prediction
█ Average prediction



Close

Download

Thank you!

Michael Lin

linmicht@amazon.com

