



1

A screenshot of a web page titled "Event Engine". The top navigation bar includes the AWS logo and the title "Event Engine". Below the title, there is a section titled "Terms & Conditions" with a list of four numbered points. After the list, there is a section titled "Enter your event hash" with a placeholder text "A 12 or 16 digit hash that was given to you for this event or for a specific team". A text input field contains the placeholder text "# [Team or Event Hash (e.g. abcd-0123456789-ef)]". At the bottom right of the page is a green button labeled "✓ 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.

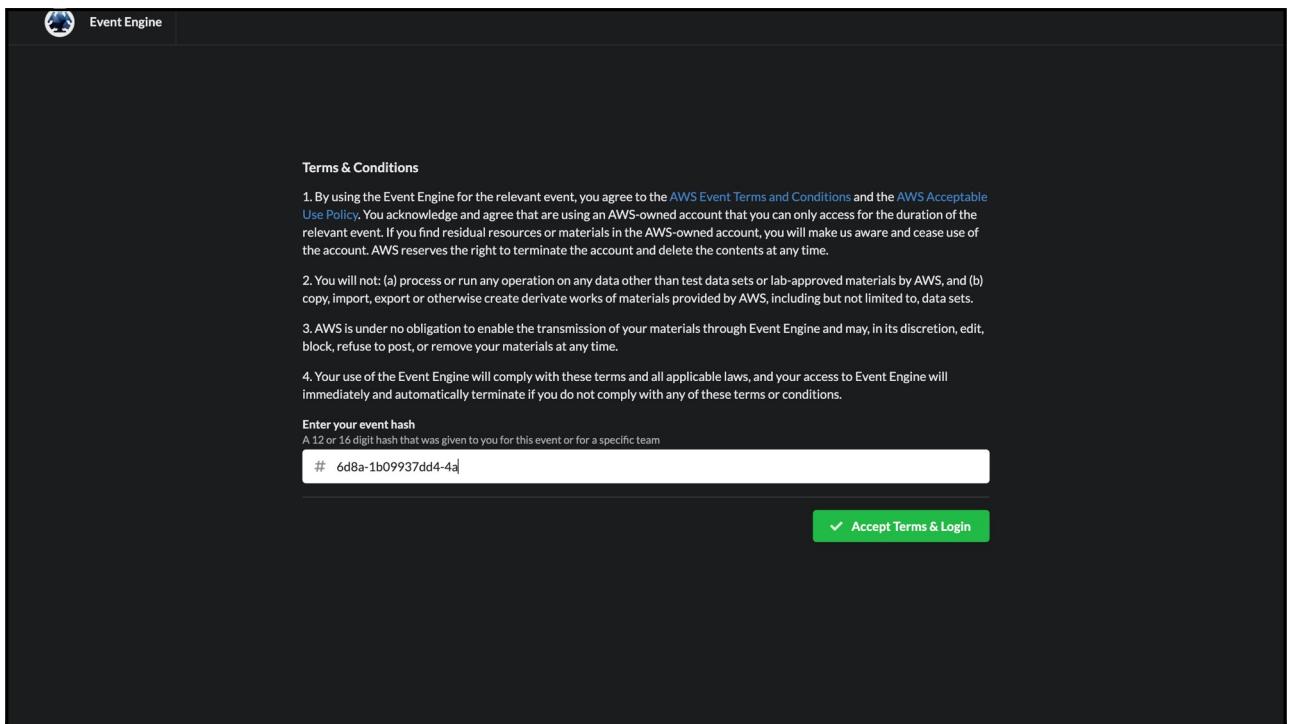
Enter your event hash
A 12 or 16 digit hash that was given to you for this event or for a specific team

[Team or Event Hash (e.g. abcd-0123456789-ef)]

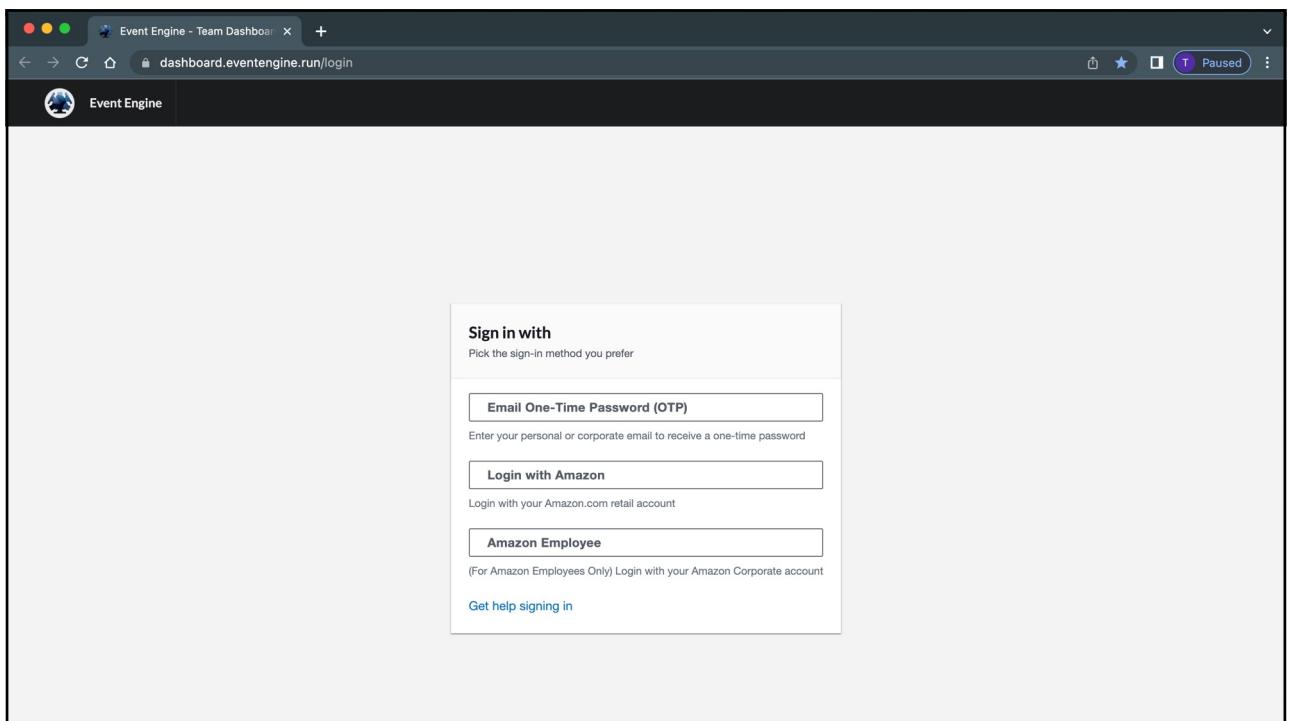
✓ Accept Terms & Login

2

1

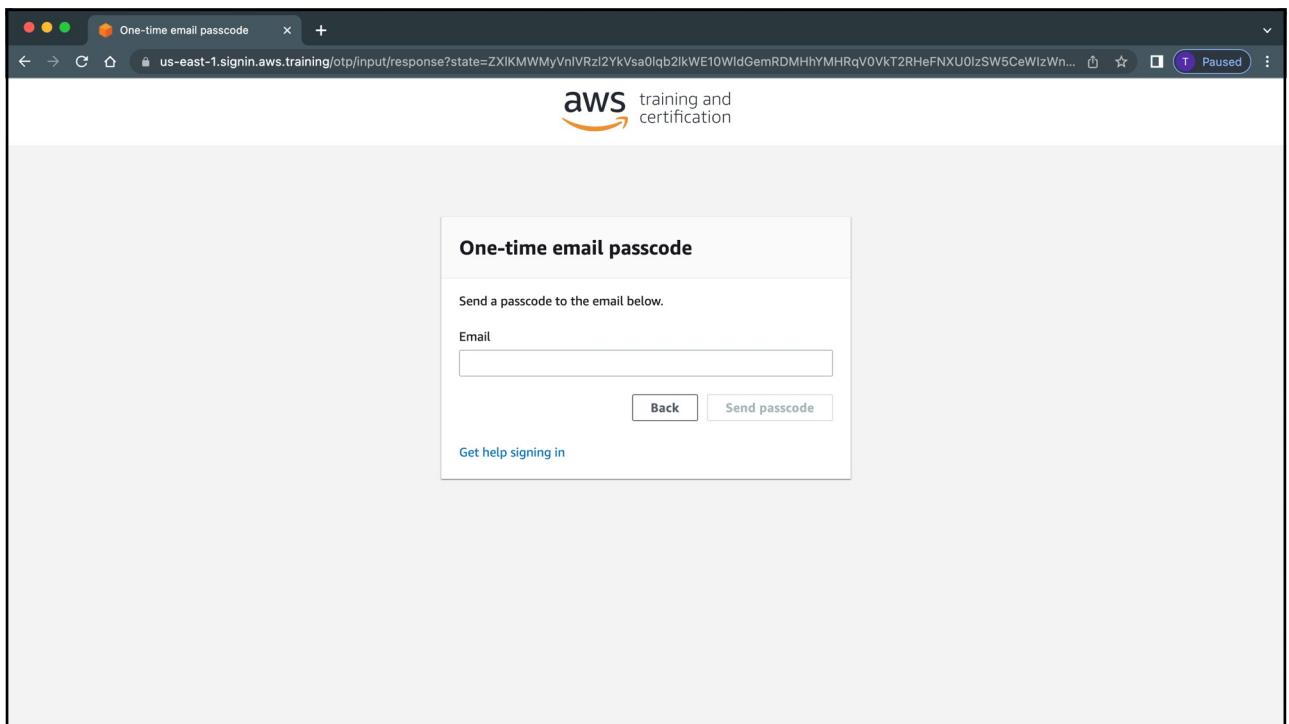


3

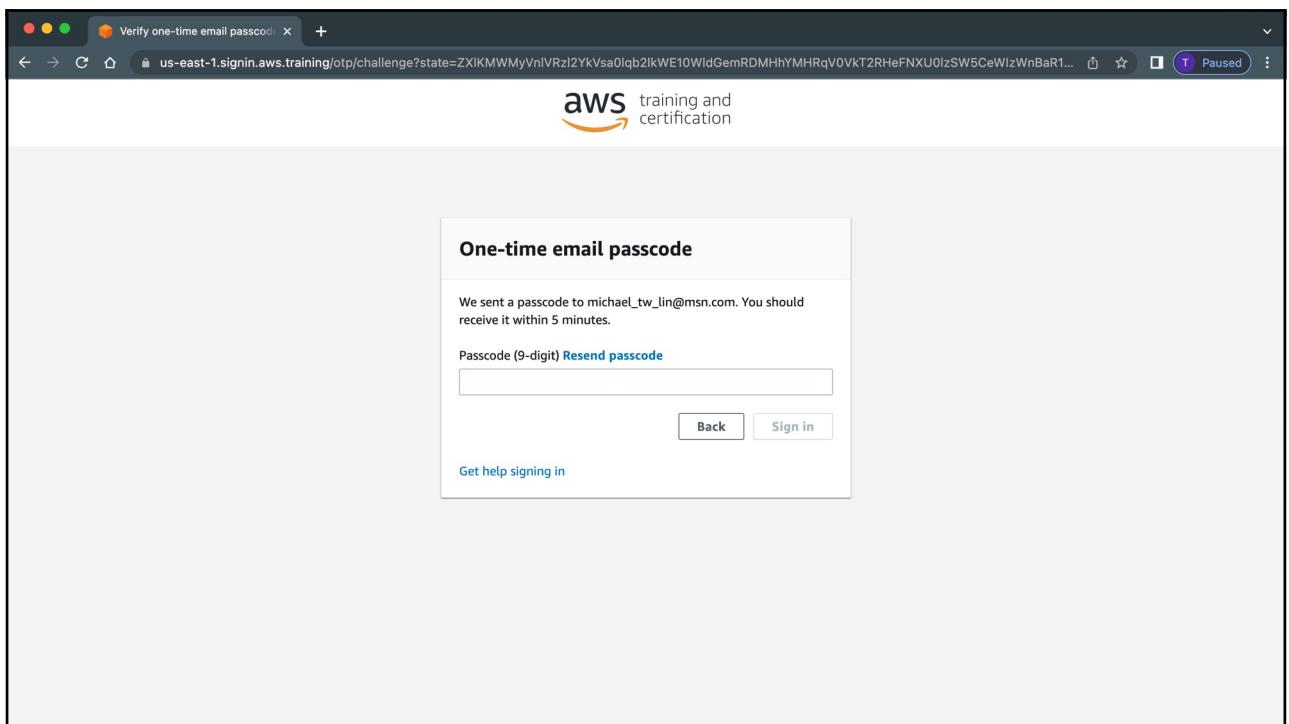


4

2

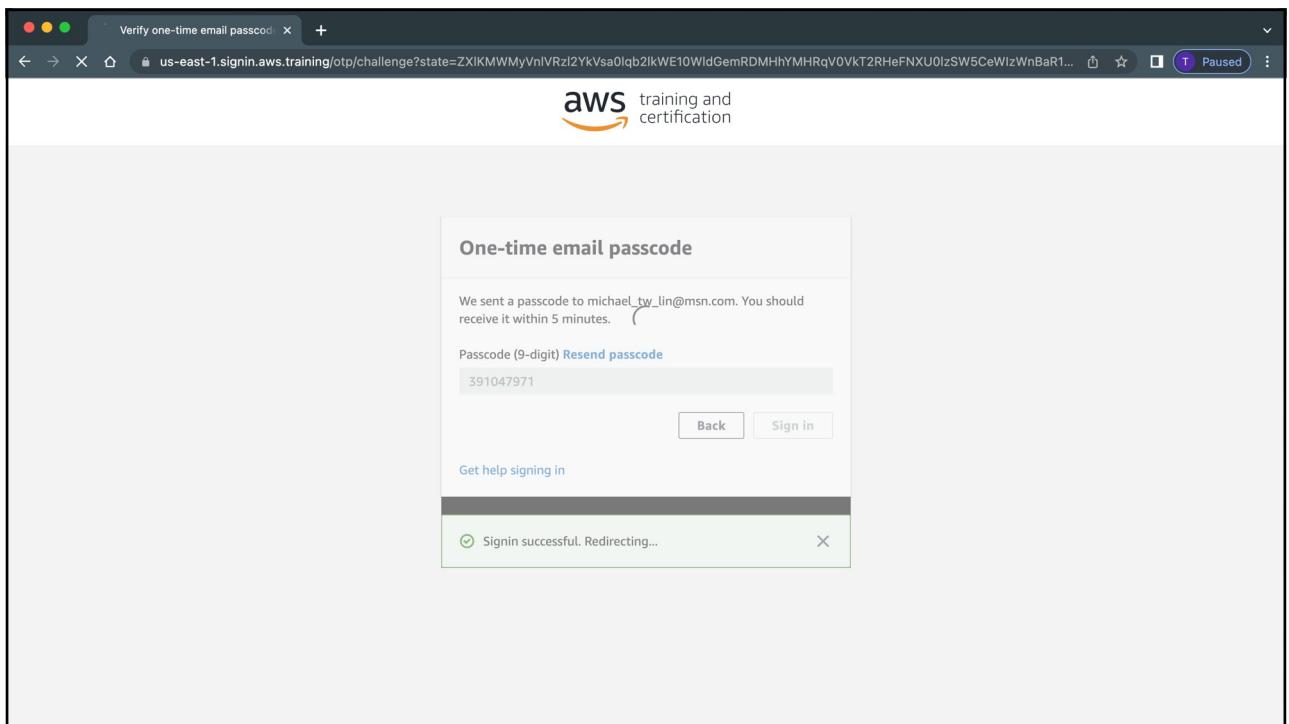


5

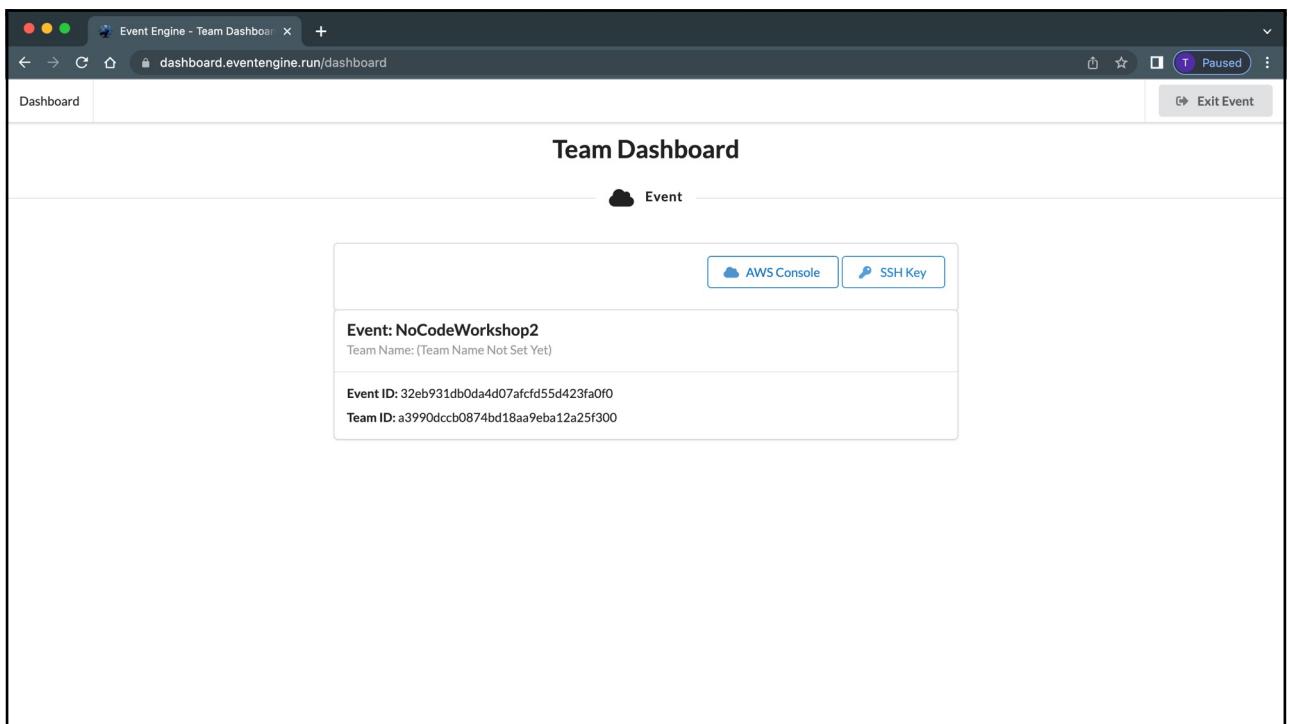


6

3

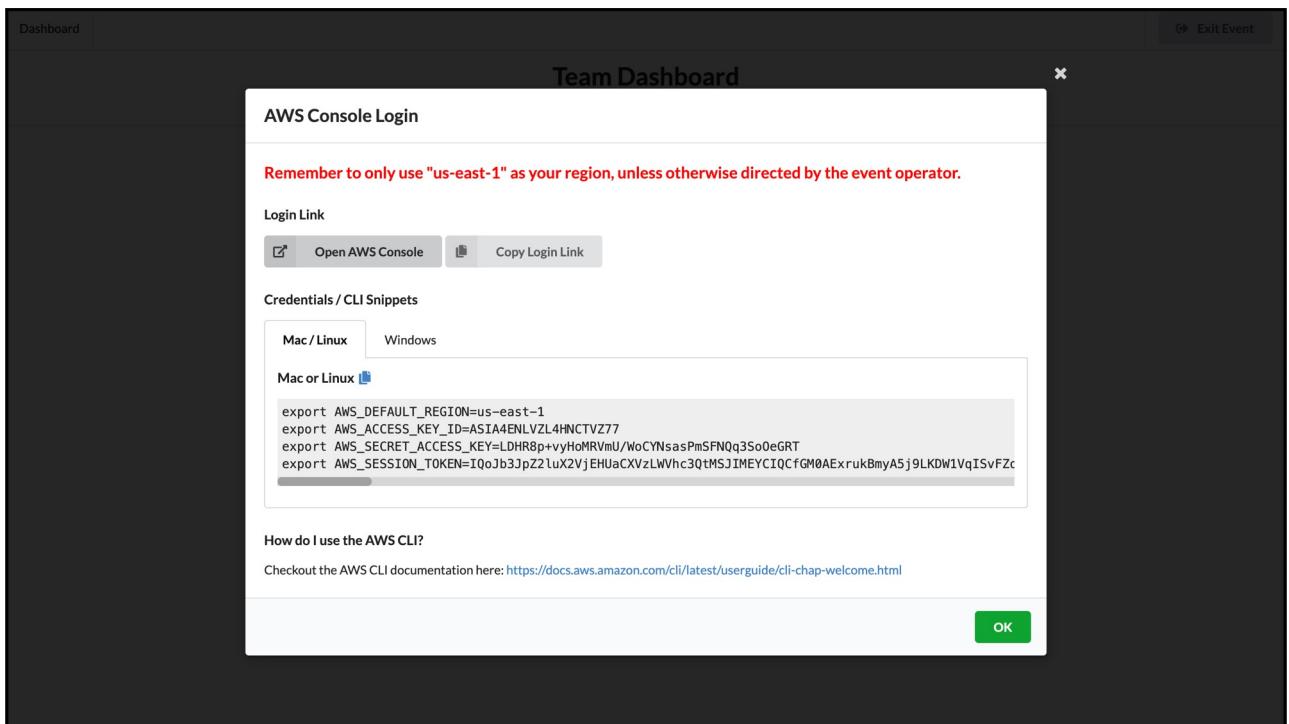


7

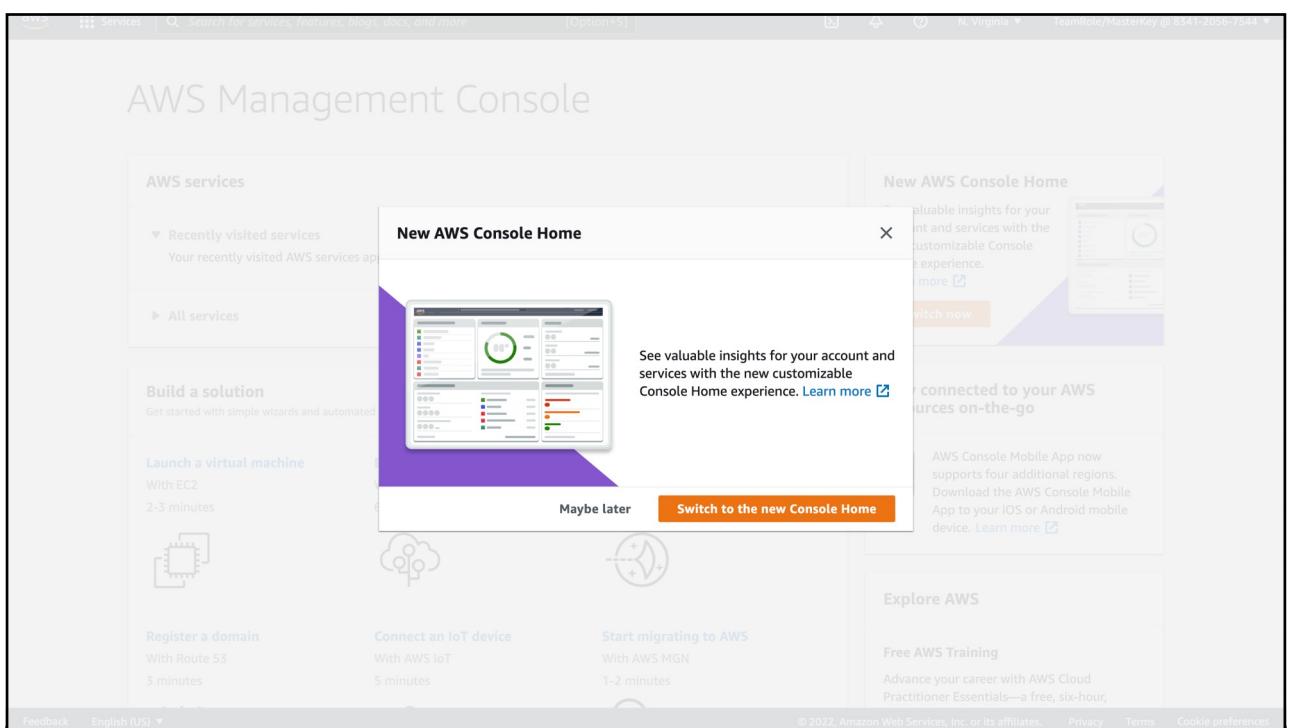


8

4



9



10

The screenshot shows the AWS Management Console home page. At the top, there are tabs for "Event Engine - Team Dashboard" and "AWS Management Console". The URL in the address bar is "console.aws.amazon.com/console/home?region=us-east-1#". The top navigation bar includes "Services", a search bar, and account information: "N. Virginia" and "TeamRole/MasterKey @ 8341-2056-7544". Below the header, the main content area has a title "AWS Management Console". On the left, there's a sidebar titled "AWS services" with sections for "Recently visited services" and "All services". To the right, there are several promotional boxes: "New AWS Console Home" (describing the customizable experience), "Stay connected to your AWS resources on-the-go" (about the AWS Console Mobile App), and "Explore AWS" (with a link to "Free AWS Training"). In the center, there's a section titled "Build a solution" with options like "Launch a virtual machine", "Build a web app", and "Build using virtual servers", each with a brief description and a small icon.

11

The screenshot shows the AWS Management Console search results for the term "sagemaker". The search bar at the top contains "sagemaker Canvas". The results are categorized into "Services" and "Features". Under "Services", there are two items: "Amazon SageMaker" (highlighted in blue) and "AWS Glue DataBrew". "Amazon SageMaker" is described as "Build, Train, and Deploy Machine Learning Models". Under "Features", there are four items: "SageMaker Studio", "SageMaker Canvas", "Notebooks", and "Autopilot". "SageMaker Studio" is described as an "Amazon SageMaker feature". The right side of the screen features the same promotional boxes as the home page: "New AWS Console Home", "Stay connected to your AWS resources on-the-go" (about the AWS Console Mobile App), and "Explore AWS".

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The screenshot shows the Amazon SageMaker landing page. On the left, there's a sidebar with links like Dashboard, Search, SageMaker Domain (Studio, RStudio, Canvas), Images (Ground Truth, Notebook, Processing, Training, Inference, Edge Manager, Augmented AI), and Documentation. The main content area has a dark header "MACHINE LEARNING" and a large title "Amazon SageMaker" with the subtitle "Build, train, and deploy machine learning models at scale". Below that is a sub-subtitle "The quickest and easiest way to get ML models from idea to production." To the right, there's a "Get started" box with a button "SageMaker Studio", a "Pricing (US)" box with a note about pay-as-you-go pricing and no minimum fees, and a "Related services" box.

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The screenshot shows the "Setup SageMaker Domain" page. It starts with a heading "Setup SageMaker Domain" and a sub-instruction "Use SageMaker Domain as the central store to manage the configuration of SageMaker for your organization." There are two main sections: "Quick setup" (checkboxes for Public internet access, SageMaker Studio Integration, Sharable SageMaker Studio Notebooks, and IAM Authentication) and "Standard setup" (checkboxes for Advanced network security, SageMaker Studio, and RStudio integration, SageMaker Studio Projects, and Jumpstart configurable, and IAM or SSO authentication). Below these is a "User profile" section with fields for "Name" (input field "default-1645016110854") and "Default execution role" (dropdown menu "TeamRole").

14

The screenshot shows the Amazon SageMaker console with a sidebar on the left containing navigation links like Dashboard, Search, SageMaker Domain (Studio, RStudio, Canvas), Images (Ground Truth, Notebook, Processing, Training, Inference, Edge Manager, Augmented AI), and AWS Marketplace. The main content area is titled 'Preparing SageMaker Domain' with a sub-section 'SageMaker Domain'. It shows a table with one row under 'Users' with the message 'No users. To add a user, choose Add user and enter a user name.' Below this is a section titled 'Domain' with details: Status (Pending), Domain ID (d-iceiqcsfx9pm), Execution role (arn:aws:iam::834120567544:role/TeamRole), and Authentication method (AWS Identity and Access Management (IAM)). A note at the bottom states: 'Use Domain for troubleshooting and tracking usage. The status shown is for the SageMaker Studio service, and is not the status of compute resources such as EC2 instances to execute notebooks.'

15

The screenshot shows the Amazon SageMaker console with a sidebar on the left. The search bar at the top contains 's3'. The main content area displays search results for 's3' under the 'Services' category. It lists S3 (Scalable Storage in the Cloud), S3 Glacier (Archive Storage in the Cloud), Athena (Query Data in S3 using SQL), and AWS Snow Family (Large Scale Data Transport). Below these, under the 'Features' category, it lists the Amazon S3 File Gateway (Storage Gateway feature) and Datasets (IoT Analytics feature). A note at the bottom states: 'Amazon SageMaker project templates enabled for Studio users'.

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The screenshot shows the AWS S3 Management Console dashboard. On the left, there's a sidebar with options like Buckets, Storage Lens, and Feature spotlight. The main area displays an account snapshot and a table of buckets. Two buckets are listed:

Name	AWS Region	Access	Creation date
sagemaker-studio-834120567544-5zbey54q71a	US East (N. Virginia) us-east-1	Objects can be public	February 16, 2022, 20:55:19 (UTC+08:00)
sagemaker-us-east-1-834120567544	US East (N. Virginia) us-east-1	Objects can be public	February 16, 2022, 21:06:52 (UTC+08:00)

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The screenshot shows the AWS S3 Management Console for the bucket 'sagemaker-us-east-1-834120567544'. The sidebar is identical to the previous screenshot. The main area is titled 'sagemaker-us-east-1-834120567544' and shows the 'Objects' tab selected. It displays a table with one row: 'No objects'. A message at the bottom says 'You don't have any objects in this bucket.' There is a prominent 'Upload' button at the bottom.

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The screenshot shows the AWS S3 console with the URL <https://s3.console.aws.amazon.com/s3/buckets/sagemaker-us-east-1-834120567544?region=us-east-1&tab=permissions>. The left sidebar is titled "Amazon S3" and includes sections for Buckets, Storage Lens, Feature spotlight, and AWS Marketplace for S3. The main content area is titled "Cross-origin resource sharing (CORS)" and contains a message: "We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose Provide feedback." Below this is a "Group:" dropdown set to "http://acs.amazonaws.com/groups/s3/LogDelivery". A "Copy" button is visible at the bottom right of the configuration table.

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The screenshot shows the AWS S3 console with the URL <https://s3.console.aws.amazon.com/s3/bucket/sagemaker-us-east-1-834120567544/property/cors/edit?region=us-east-1>. The left sidebar is identical to the previous screenshot. The main content area is titled "Edit cross-origin resource sharing (CORS)" and shows a single row in a table with the number "1" in the first column. The table has a header row labeled "Cross-origin resource sharing (CORS)". A "Copy" button is visible at the bottom right of the configuration table.

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10

The screenshot shows the AWS S3 console with the URL <https://s3.console.aws.amazon.com/s3/bucket/sagemaker-us-east-1-834120567544/property/cors/edit?region=us-east-1>. The left sidebar is titled "Amazon S3" and includes sections for Buckets, Storage Lens, and Feature spotlight. The main content area is titled "Edit cross-origin resource sharing (CORS)" and contains a JSON configuration editor. The JSON code is as follows:

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

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The screenshot shows the AWS S3 console with the URL <https://s3.console.aws.amazon.com/s3/buckets/sagemaker-us-east-1-834120567544?region=us-east-1&tab=permissions>. A green success message at the top states "Successfully edited cross-origin resource sharing (CORS)". The main content area is titled "sagemaker-us-east-1-834120567544" and shows the "Permissions" tab selected. The "Permissions overview" section indicates "Access Objects can be public". Below it, the "Block public access (bucket settings)" section is expanded, showing the "Edit" button and the "Block all public access" setting which is currently off. The status is shown as "Off" with a red triangle icon.

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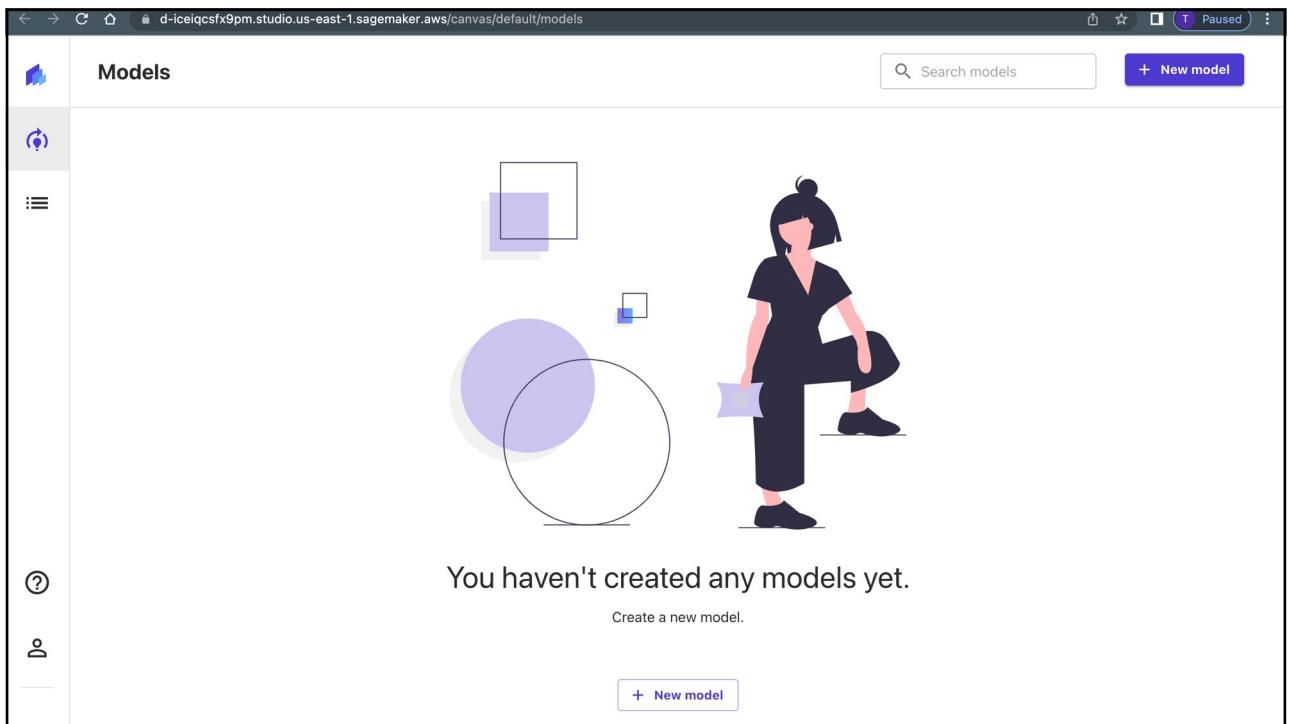
The screenshot shows the Amazon SageMaker Domain page. A green banner at the top states: "The SageMaker Domain is ready. Choose your user name, then choose Launch app to get started." Below this, the "SageMaker Domain" section is displayed. It includes a "Users" table with one entry: "default-1645016110854" (Created on Feb 16, 2022 13:01 UTC). To the right of the table is a "Launch app" button. Below the table is a "Domain" section with a table showing details: Status (Ready), Domain ID (d-iceiqcsfx9pm), Execution role (arn:aws:iam::834120567544:role/TeamRole), and Authentication method (AWS Identity and Access Management (IAM)). A note below the table says: "Use Domain for troubleshooting and tracking usage. The status shown is for the SageMaker Studio service, and is not the status of compute resources such as EC2 instances to execute notebooks."

23

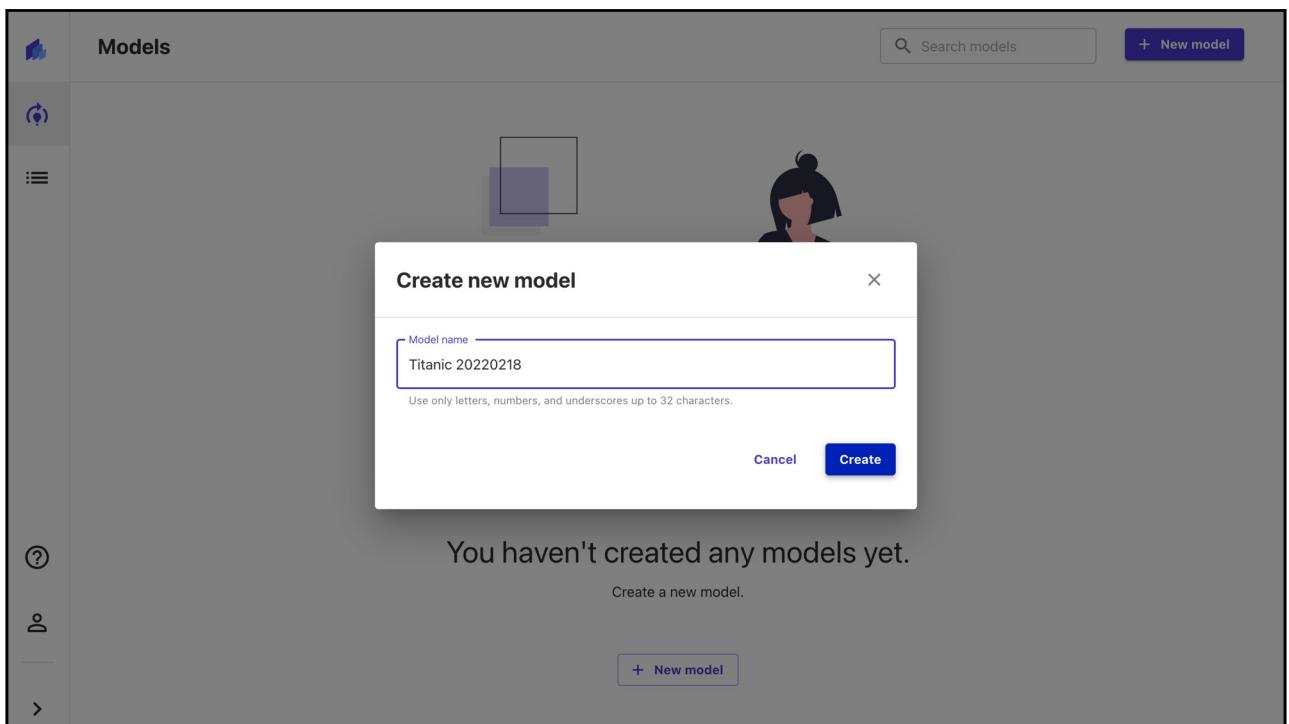
The screenshot shows the same Amazon SageMaker Domain page as above. A context menu is open over the "Launch app" button in the "Domain" section. The menu options are: Open Link in New Tab (highlighted in blue), Open Link in New Window, Open Link in Incognito Window, Save Link As..., Copy Link Address, and Inspect.

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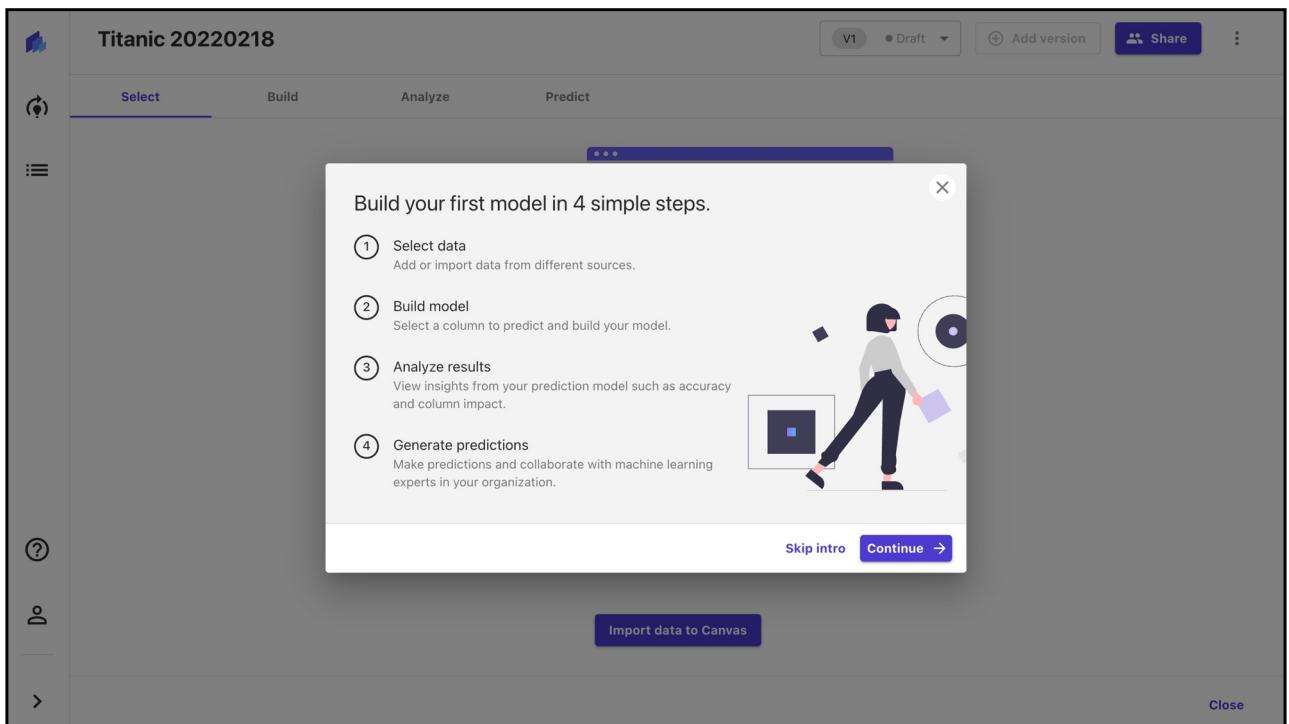
12



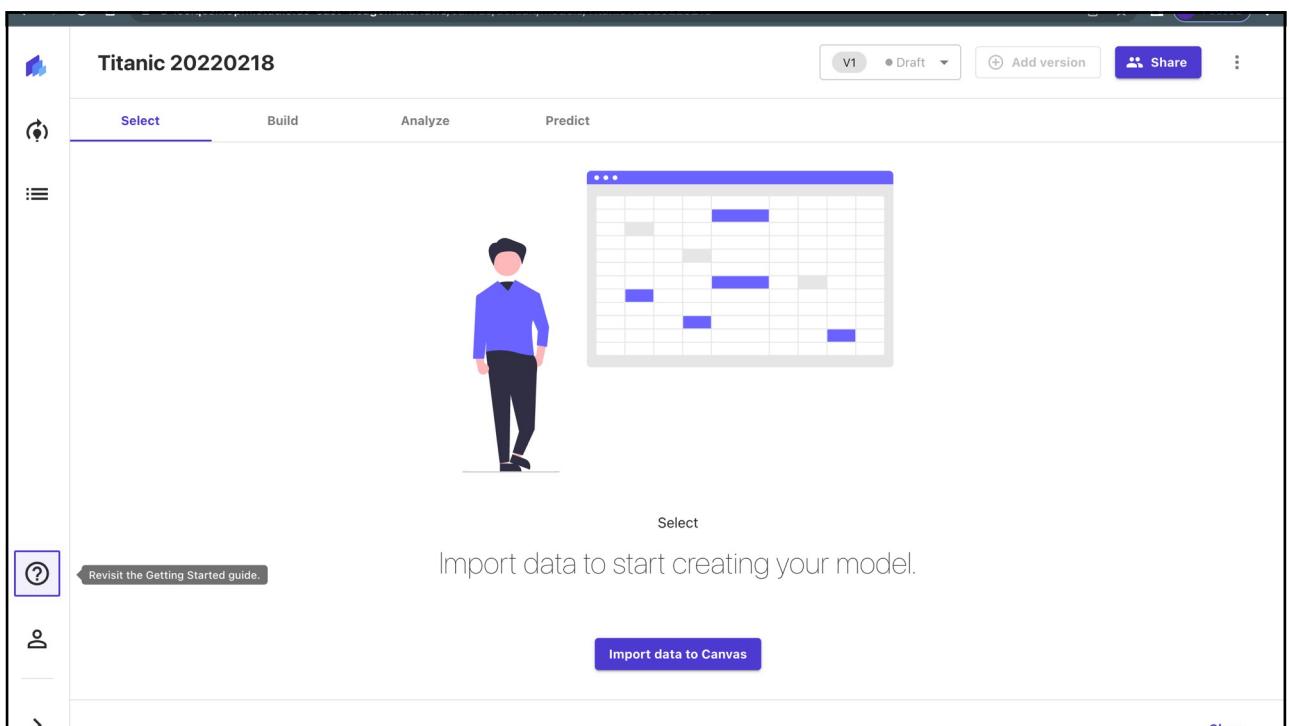
25



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14

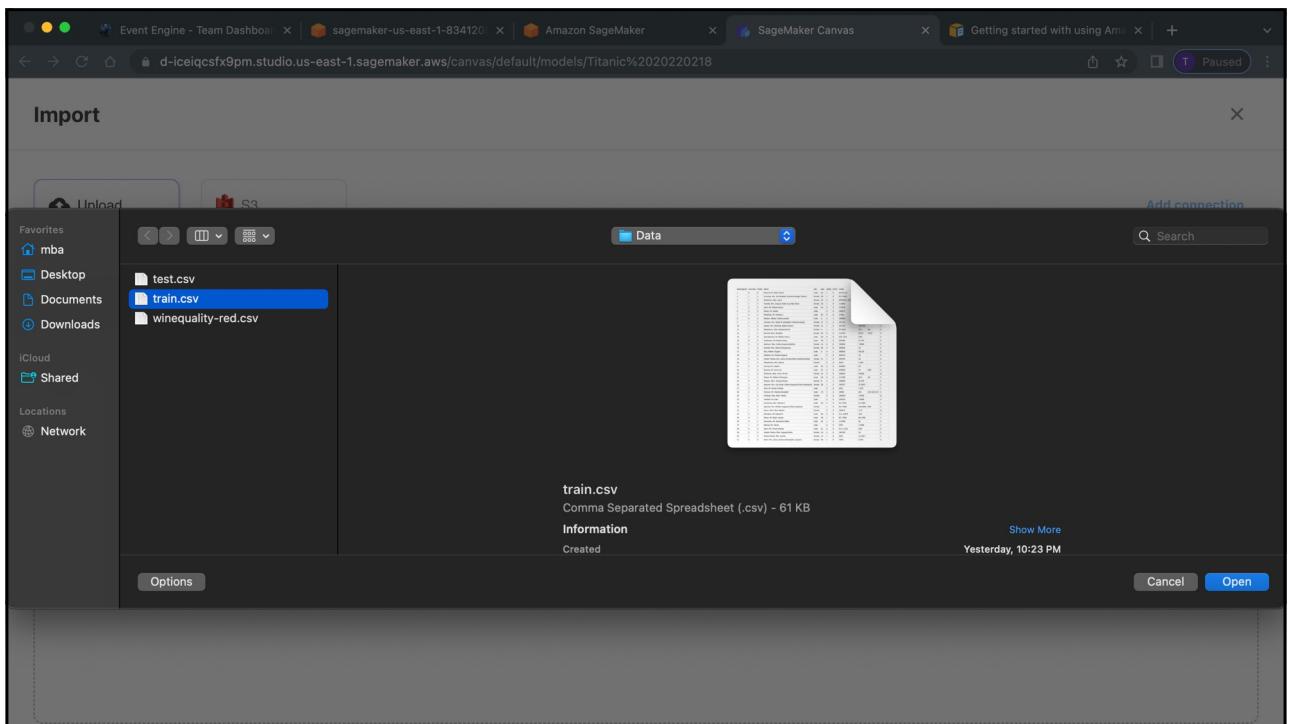
The screenshot shows the SageMaker Canvas interface with the 'Import' tab selected. At the top, there are two buttons: 'Upload' (with a cloud icon) and 'S3' (with a red cube icon). To the right of the S3 button is a link 'Add connection'. Below these buttons is a section titled 'Choose files to import' with a subtitle 'Amazon S3'. A search bar labeled 'Search Amazon S3' is positioned to the right of the file list. The file list table has columns for a checkbox, 'Name', and 'Created on ↓'. Two files are listed:

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

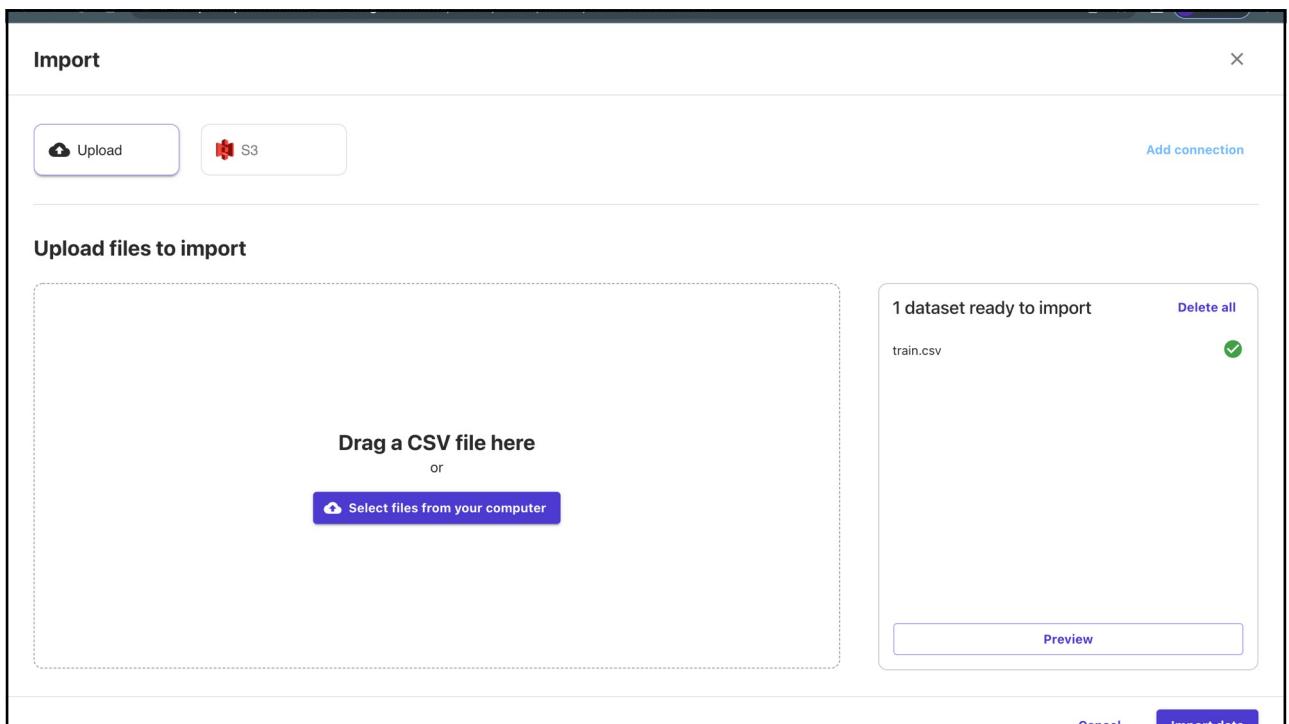
29

The screenshot shows the SageMaker Canvas interface with the 'Upload' tab selected. At the top, there are two buttons: 'Upload' (with a cloud icon) and 'S3' (with a red cube icon). To the right of the S3 button is a link 'Add connection'. Below these buttons is a section titled 'Upload files to import'. It features a large dashed rectangular area for dragging files and a blue button labeled 'Select files from your computer'.

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The screenshot shows the SageMaker Canvas Import interface. At the top, there are two buttons: "Upload" and "S3". On the right, there is a "Add connection" link. Below this, a section titled "Upload files to import" contains a "Import preview" button and a "Close preview" button. A "train.csv" file is listed with a dropdown arrow. To its right is a toggle switch labeled "Use first row as header" and a "Delete" button. A preview table shows the first 100 rows of the Titanic dataset. The columns are: PassengerId, Survived, Pclass, Name, Sex, Age, and SibSp. The data includes entries for Braund, Mr. Owen Harris, Cumings, Mrs. John Brad... etc.

PassengerId	Survived	Pclass	Name	Sex	Age	SibSp
1	0	3	Braund, Mr. Owen Harris	male	22	1
2	1	1	Cumings, Mrs. John Brad...	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	Allan, Mr. William Henry	male	35	0

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The screenshot shows the SageMaker Canvas Select interface. The title bar says "Titanic 20220218". Below it, there are tabs: "Select" (which is underlined), "Build", "Analyze", and "Predict". There are also "Draft" and "Add version" buttons. On the left, there are three icons: a person, a gear, and a question mark. The main area is titled "Select dataset". It says "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." Below this is a search bar with the placeholder "Search datasets in Canvas". A table lists datasets: "train.csv" (Local, 02/16/2022 9:21 PM, Processing). At the bottom, there are three icons: a question mark, a person, and a gear.

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Titanic 20220218

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.

Search datasets in Canvas

All Joined

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

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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

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.

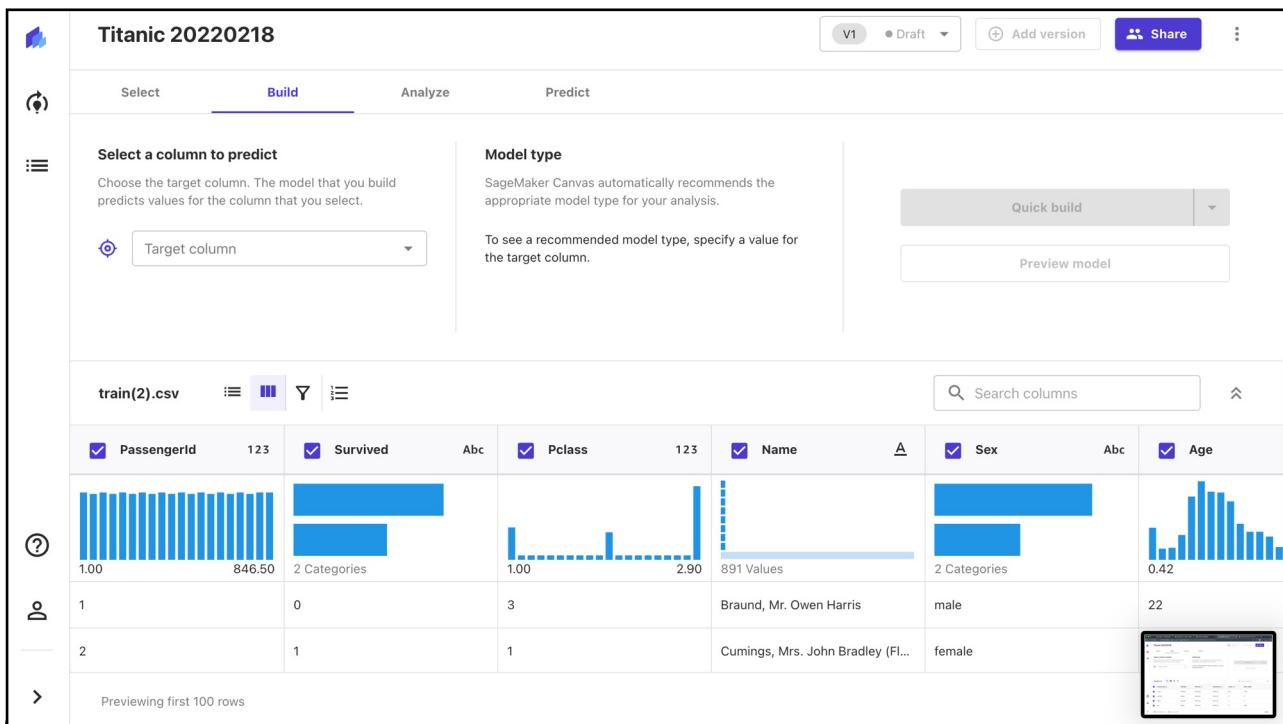
Quick build

Preview model

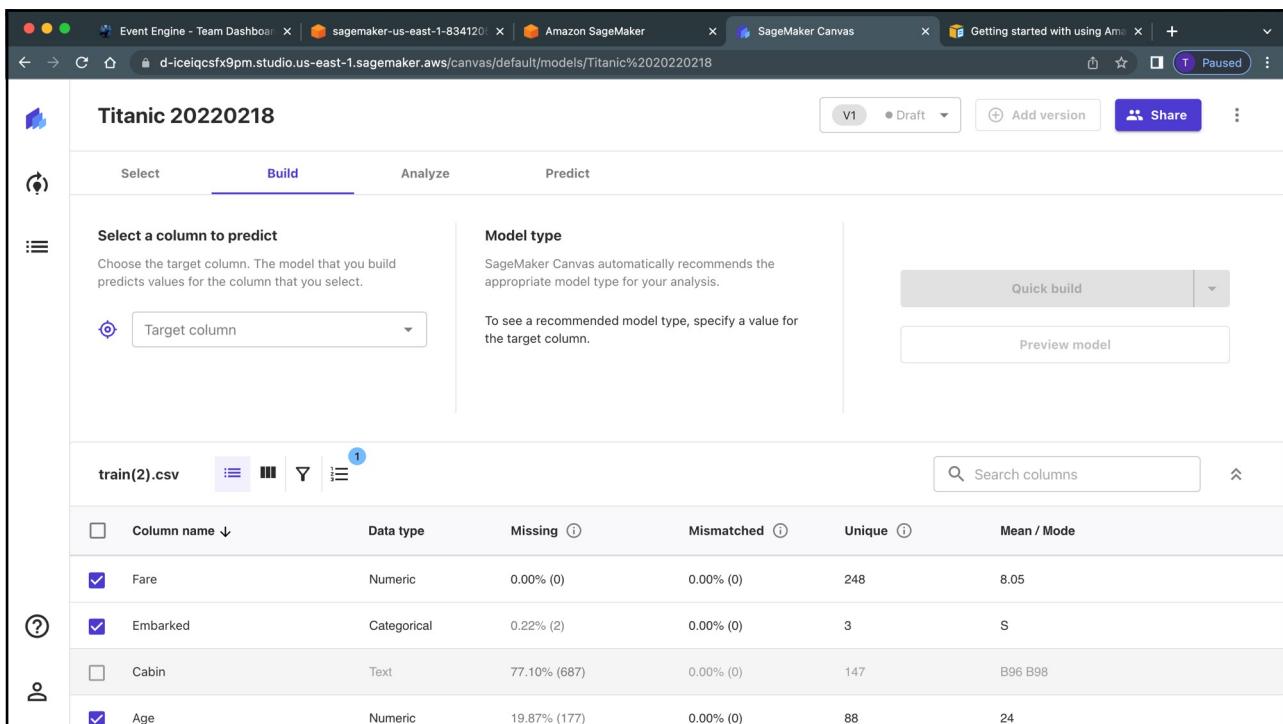
Column name	Data type	Missing	Mismatched	Unique	Mean / Mode
Ticket	Numeric	0.00% (0)	0.00% (0)	681	1,601
Survived	Binary	0.00% (0)	0.00% (0)	2	0
SibSp	Numeric	0.00% (0)	0.00% (0)	7	0
Sex	Binary	0.00% (0)	0.00% (0)	2	male

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Titanic 20220218

Select Build Analyze Predict

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

Quick build

Preview model

Column name	Data type	Missing	Mismatched	Unique	Mean / Mode
PassengerId	Numeric	0.00% (0)	0.00% (0)	891	1
Parch	Numeric	0.00% (0)	0.00% (0)	7	0
Name	Text	0.00% (0)	0.00% (0)	891	Abbing, Mr. Anthony
Fare	Numeric	0.00% (0)	0.00% (0)	248	8.05

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Titanic 20220218

Select Build Analyze Predict

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

Quick build

Preview model

Column name	Data type	Missing	Mismatched	Unique	Mean / Mode
PassengerId	Numeric	0.00% (0)	0.00% (0)	681	1,601
Survived	Binary	0.00% (0)	0.00% (0)	2	0
Pclass	Numeric	0.00% (0)	0.00% (0)	7	0
Name	Text	0.00% (0)	0.00% (0)	2	male
Age	Numeric	0.00% (0)	0.00% (0)	2	0
SibSp	Numeric	0.00% (0)	0.00% (0)	2	0
Parch	Numeric	0.00% (0)	0.00% (0)	2	0
Ticket	Text	0.00% (0)	0.00% (0)	2	0
SibSp	Numeric	0.00% (0)	0.00% (0)	2	0
Sex	Binary	0.00% (0)	0.00% (0)	2	0

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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

0	1
---	---

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

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

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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

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The screenshot shows the SageMaker Canvas interface. At the top, there are several tabs: Event Engine - Team Dashboard, sagemaker-us-east-1-834120, Amazon SageMaker, SageMaker Canvas (which is the active tab), and Getting started with using Am. Below the tabs, the URL is d-iceiqcsfx9pm.studio.us-east-1.sagemaker.aws/canvas/default/models. The main area is titled "Models". It features a "Grid" view selected over a "List" view. A search bar at the top right says "Search models" and a button says "+ New model". On the left, there's a sidebar with icons for a question mark, a person, and a list. A central card displays a model named "Titanic 20220218". The card has a purple header with a lock icon and the text "In building". Below the header, the model name is repeated. The card contains the following details:

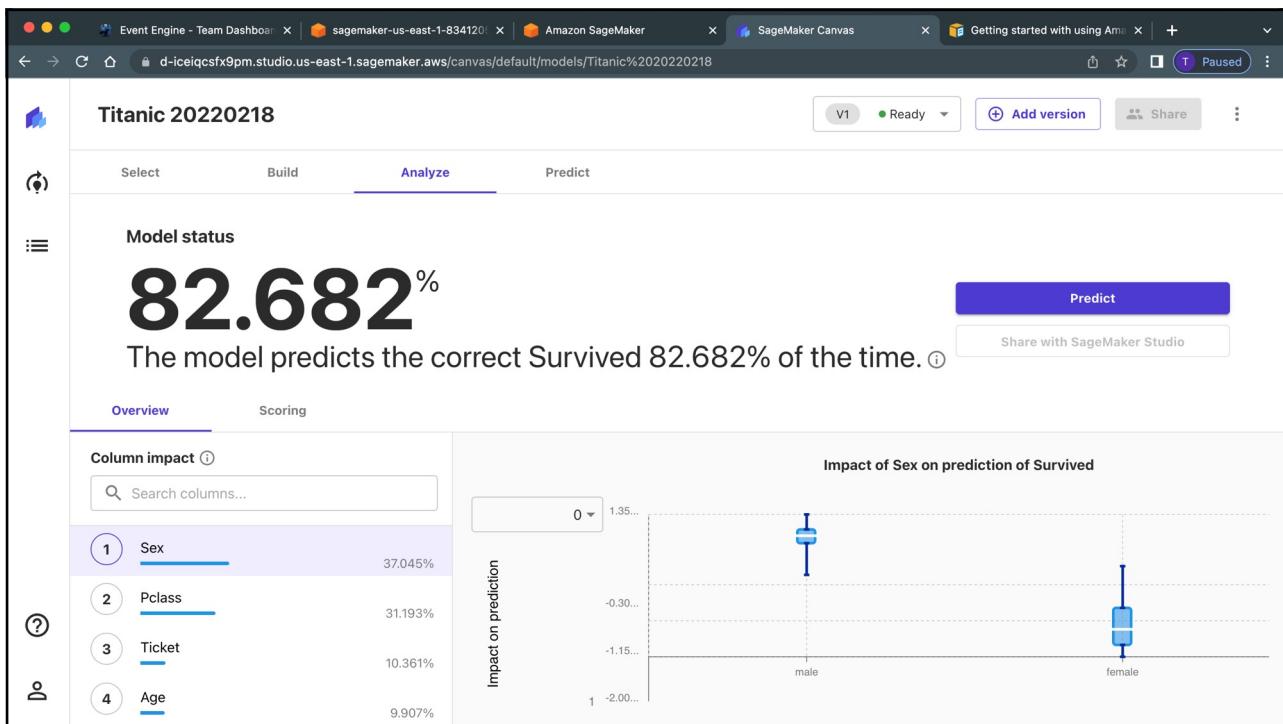
Score	--
Dataset	train(2).csv
Target	Survived

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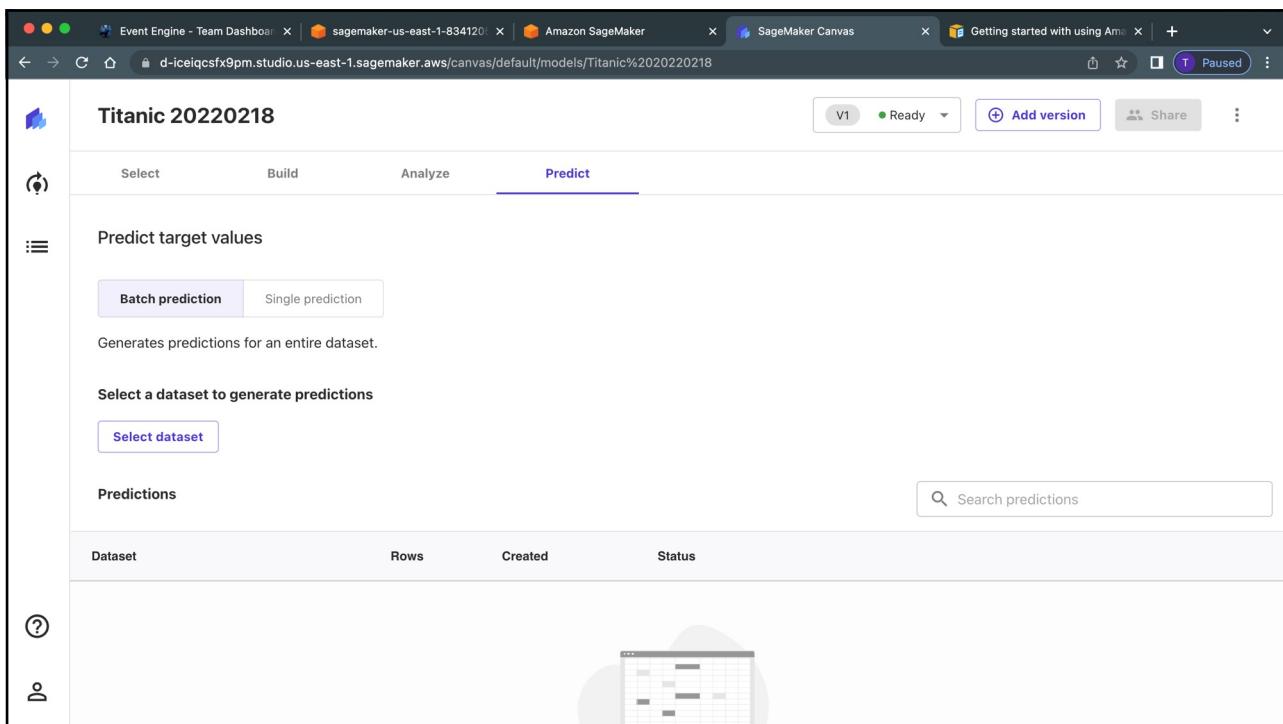
This screenshot shows the same interface as the previous one, but the model "Titanic 20220218" is now marked as "Ready". The purple header now includes a checkmark icon and the word "Ready". The rest of the card content remains the same:

Score	82.682%
Dataset	train(2).csv
Target	Survived
Problem type	2 category prediction

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Titanic 20220218

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%	0
Pclass	26.685%	3
Parch	9.565%	0
Sex	1.757%	male
Ticket	1.727%	1601

Survived Prediction

No

Average prediction

No 52.951% (i)

Yes 47.049% (i)

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Titanic 20220218

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%	0
Pclass	26.685%	3
Parch	9.565%	0
Sex	1.757%	female
Ticket	1.727%	1601

Survived Prediction

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

Update

No

Average prediction

48

Titanic 20220218

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

Survived Prediction

Yes

New prediction Average prediction

No 45.851% (i)

49

Titanic 20220218

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

Survived Prediction

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

Update

Yes

New prediction Average prediction

50

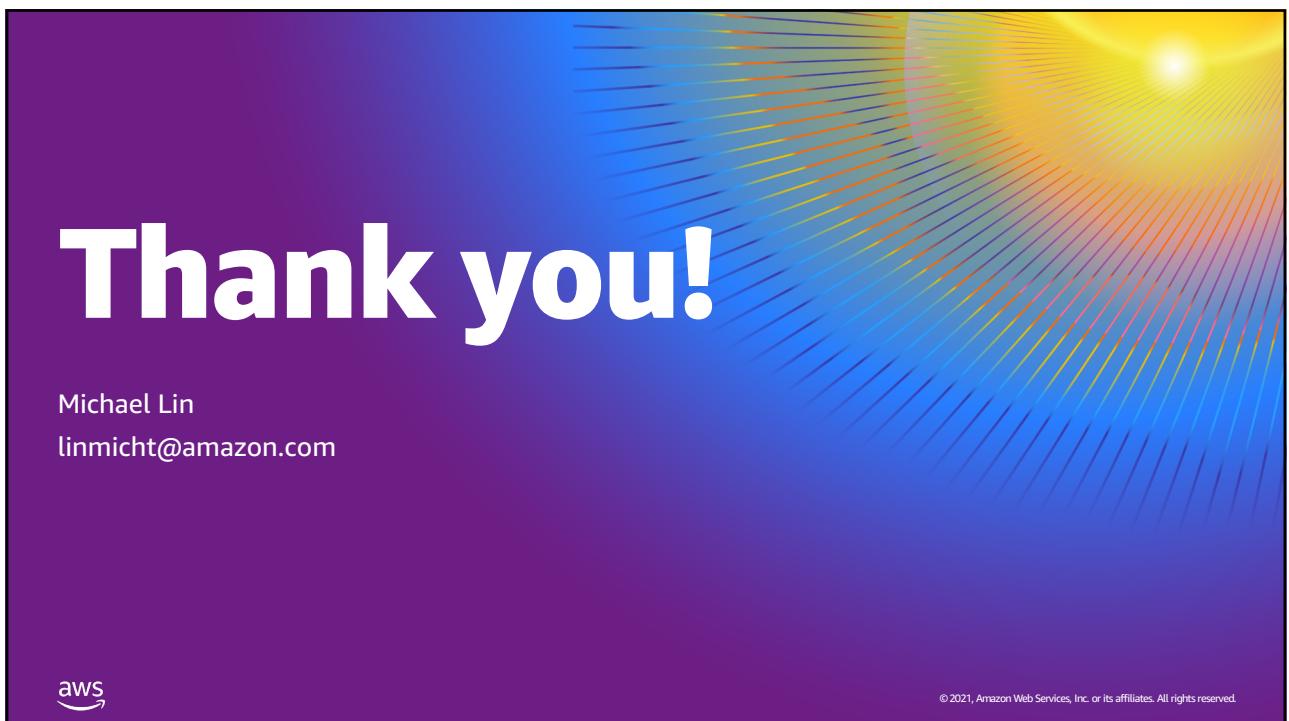
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The screenshot shows the SageMaker Canvas interface for a model named "Titanic 20220218". The "Predict" tab is selected. Under "Predict target values", the "Single prediction" button is highlighted. A note says "Modify values to predict Survived in real time." Below is a table with columns: Column, Feature importance, and Value. The table rows are:

Column	Feature importance	Value
SibSp	18.378%	0
Pclass	27.56%	3
Parch	5.852%	0
Sex	2.84%	female
Ticket	1.977%	1601

To the right, the "Survived Prediction" is shown as "No" with a "Copy" button. A legend indicates "New prediction" (blue bar) and "Average prediction" (grey bar). A progress bar shows "75.827%".

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