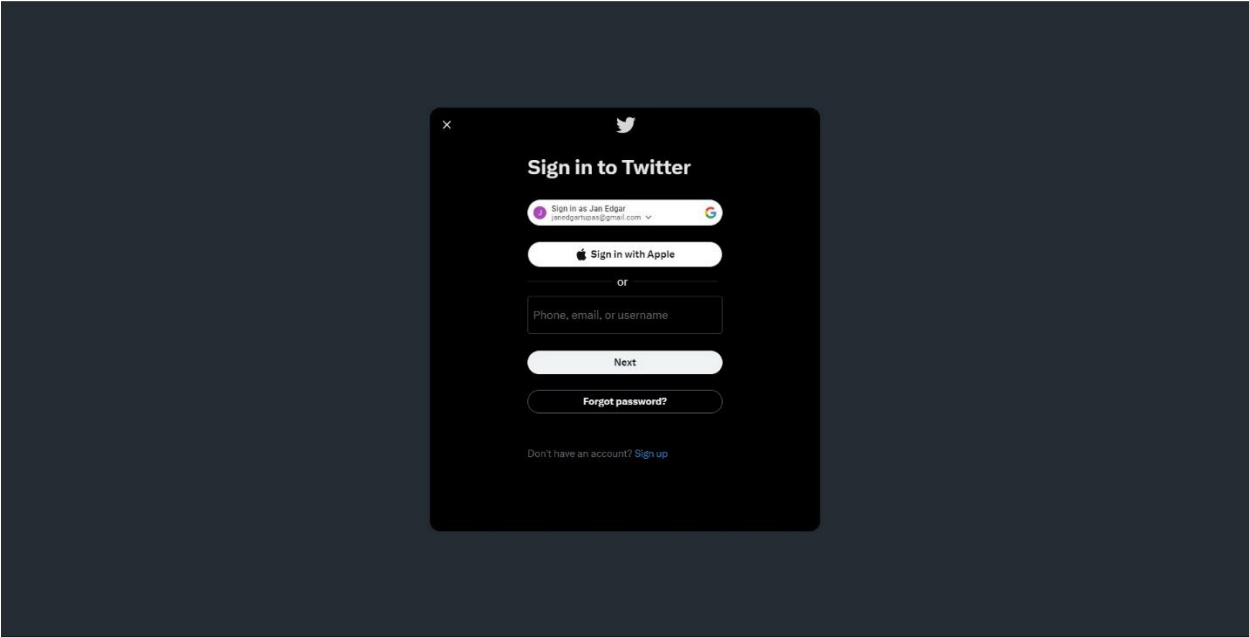


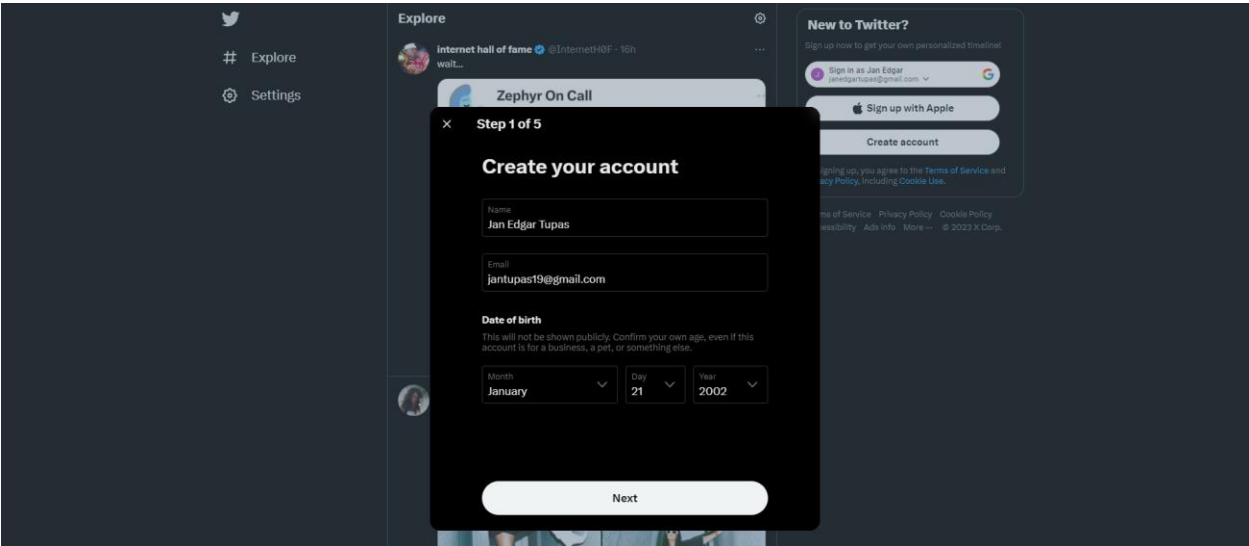
Walkthrough of account preparation for data gathering from Twitter.

1. Account Creation

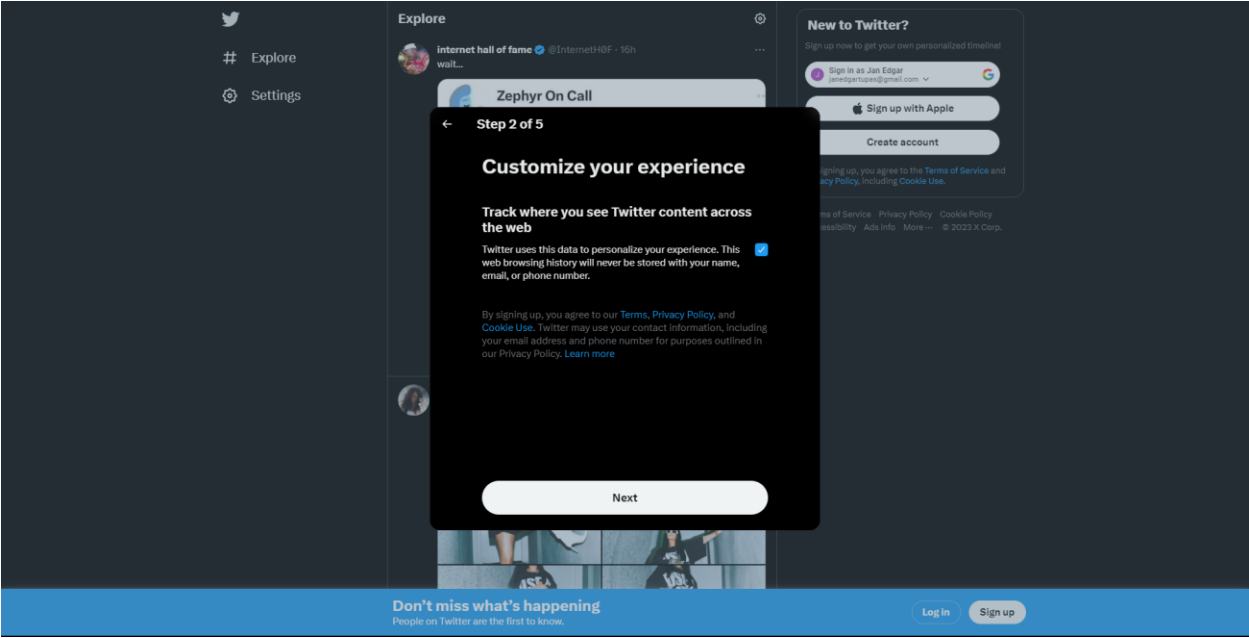
Navigate to the Twitter website from your browser. You may access it through this link: <https://twitter.com/> Create a new twitter account by clicking on **Sign up** or log in to an existing account.



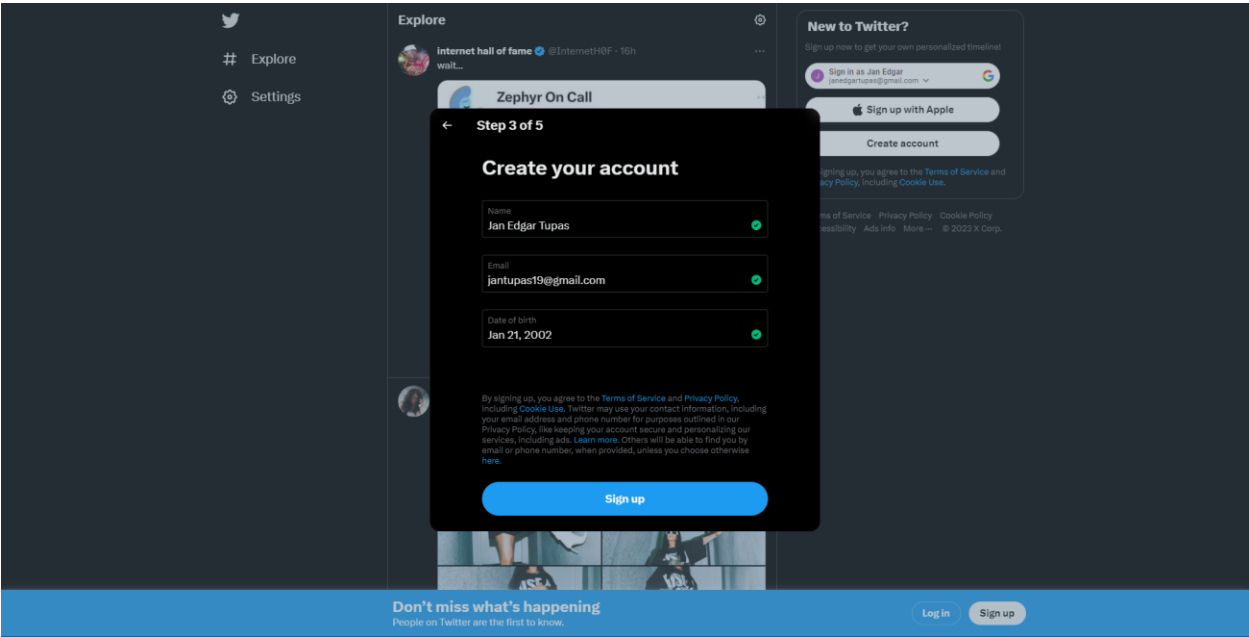
In creating a new twitter account, simply follow the steps shown in the prompts. Enter your name, email address, and date of birth. Afterwards, click **Next**.



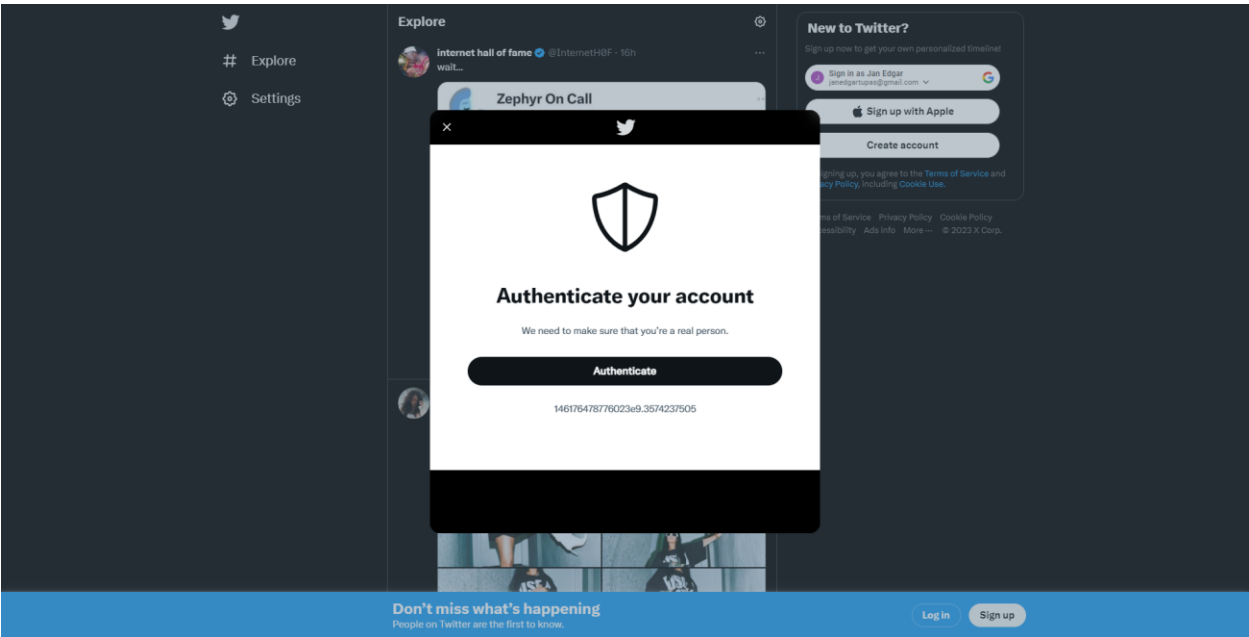
You may or may not allow customized experience. Afterwards, click **Next**.



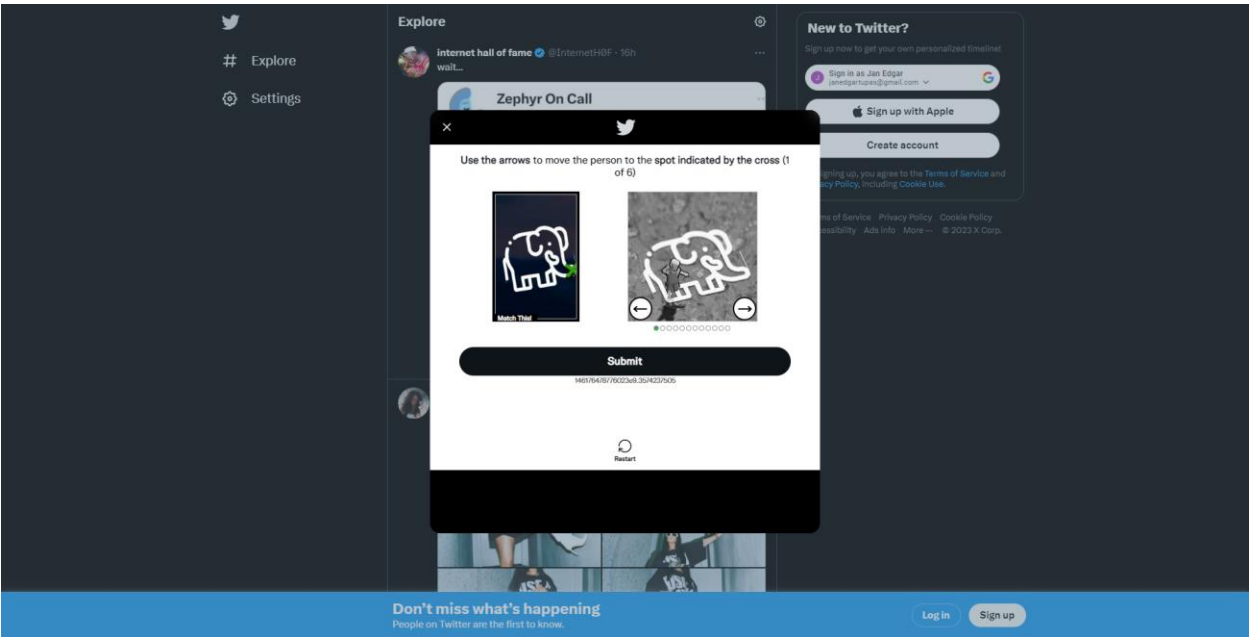
Verify that all information is correct. Click **Sign up**.



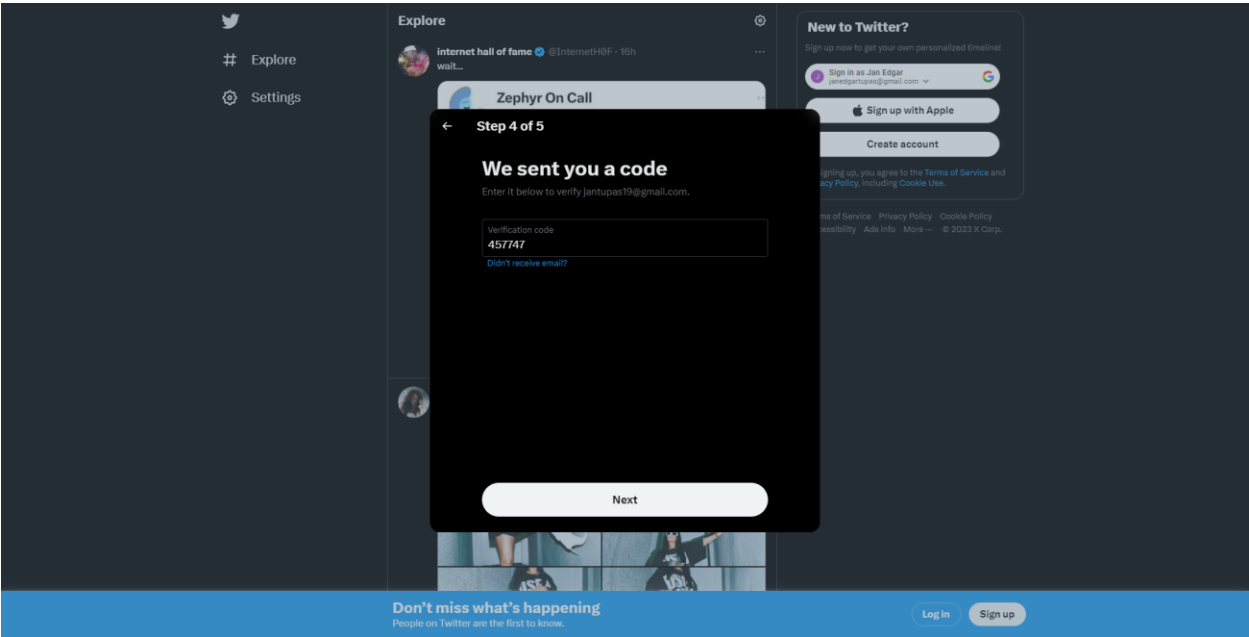
You will be asked to follow the authentication process to verify you are a real person. Click **Authenticate**



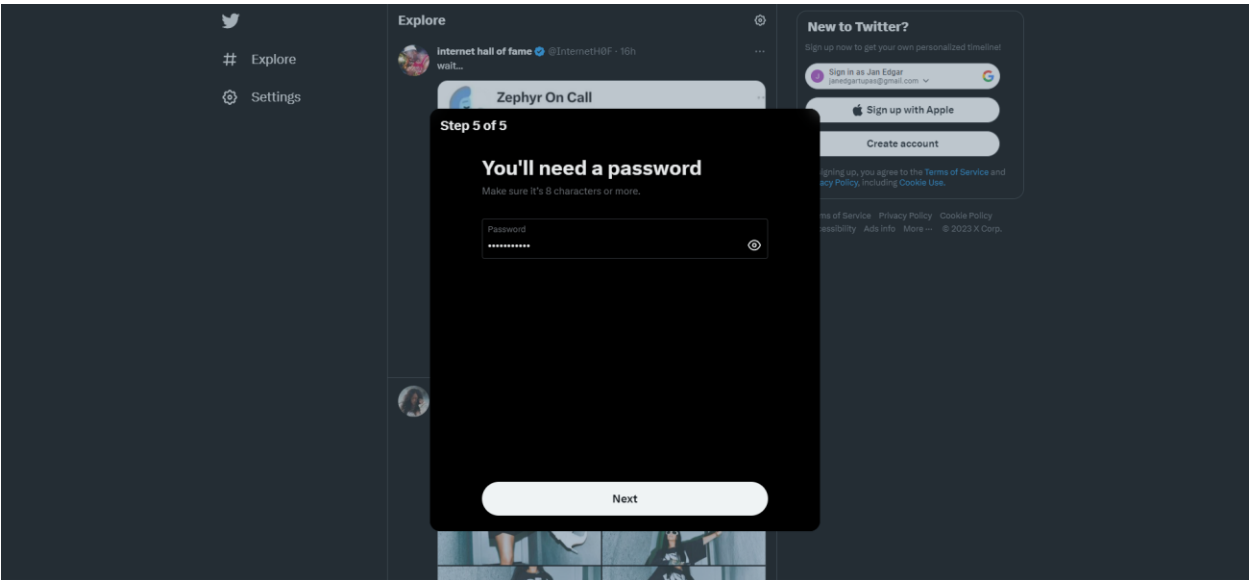
Simply follow the authentication procedures. Click **Submit**.



You will be sent a code to the email you entered. Paste the code in the text box and click **Next**.



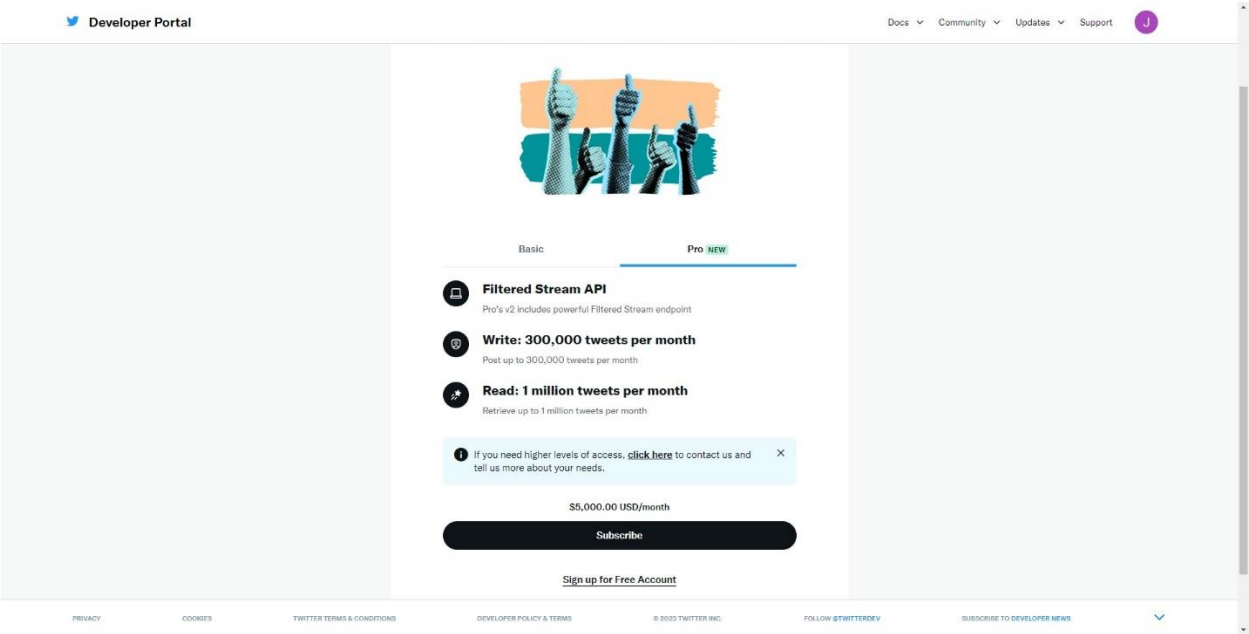
Enter your password. This will be the password of your account which you will use for logging in. Click **Next**.



You have successfully created a new Twitter account!

2. Apply for Twitter Developer Account

After creating your account and logging in, navigate to the Twitter Developer Portal website. You may access it through this link: <https://developer.twitter.com/en/portal/dashboard> The page below will show. Click on **Sign up for Free Account** located at the bottom part.



The next page shows the Developer agreement & policy to apply for a developer account. Describe your reasons for applying for a developer account and what you will use Twitter’s data and API for. You can state use cases such as for “data science projects” or “school projects.”

Developer Portal

DocsCommunityUpdatesSupport

Developer agreement & policy

Describe all of your use cases of Twitter's data and API:

We need this information for data protection. [Learn more](#)

I am a college student taking up computer science. I am required to create a developer account on Twitter to gather data that will be used for school projects. The Twitter data and API I access will only be used for data science projects, with my initial project being a sentiment analysis using Python project.

☒ You understand that you may not resell anything you receive via the Twitter APIs

☒ You understand your Developer account may be terminated if you violate the Developer Agreement or any of the Incorporated Developer Terms

☒ You accept the Terms & Conditions

By clicking on the box, and by otherwise accessing or using any Licensed Material, you indicate that you have read and agree to this Developer Agreement and the Twitter Developer Policy

Back

Submit

PRIVACY

COOKIES

TWITTER TERMS & CONDITIONS

DEVELOPER POLICY & TERMS

© 2023 TWITTER INC.

FOLLOW @TWITTERDEV

SUBSCRIBE TO DEVELOPER NEWS

Click on all checkboxes and click **Submit**. Once you are granted the account, you will be presented with your dashboard where you can create projects and apps.

Developer Portal

DocsCommunityUpdatesSupport

Dashboard

Projects & AppsProductsNEWAccount

Dashboard

Projects

DataScience_jpoabc

MONTHLY TWEET CAP USAGE

0%

0 Tweets pulled of 1,500

Resets on July 1 at 00:00 UTC

PROJECT APP

DS Sentiment Analysis_jpoabc

Sample Apps

Check out our library of sample Apps on Glitch and clone one to get started.

View sample Apps

Helpful docs

[Docs home](#)

[Make your first request](#)

[What to build](#)

[Platform overview](#)

[About the Twitter API](#)

[About Projects](#)

PRIVACY

COOKIES

TWITTER TERMS & CONDITIONS

DEVELOPER POLICY & TERMS

© 2023 TWITTER INC.

FOLLOW @TWITTERDEV

SUBSCRIBE TO DEVELOPER NEWS

You have successfully acquired a Twitter Developer account!

3. Downloading and Installing RapidMiner Studio.

Navigate to the RapidMiner website. You may access it through this link: <https://rapidminer.com/platform/> Click on **Account**.

RAPIDMINER

PlatformSolutionsWhy RapidMinerResource CenterAbout UsQAccountDownload

Home > Data Science Platform

One Platform.
Does Everything.

Maximize the value you're getting from your data. No matter how your team is structured or how mature your data science efforts are, RapidMiner is the only platform you'll need to support everyone in the organization, build trust in predictions, and deploy models where they'll be most useful.

Request a Demo

Play Intro

Davidson

Domino's

Fidelity

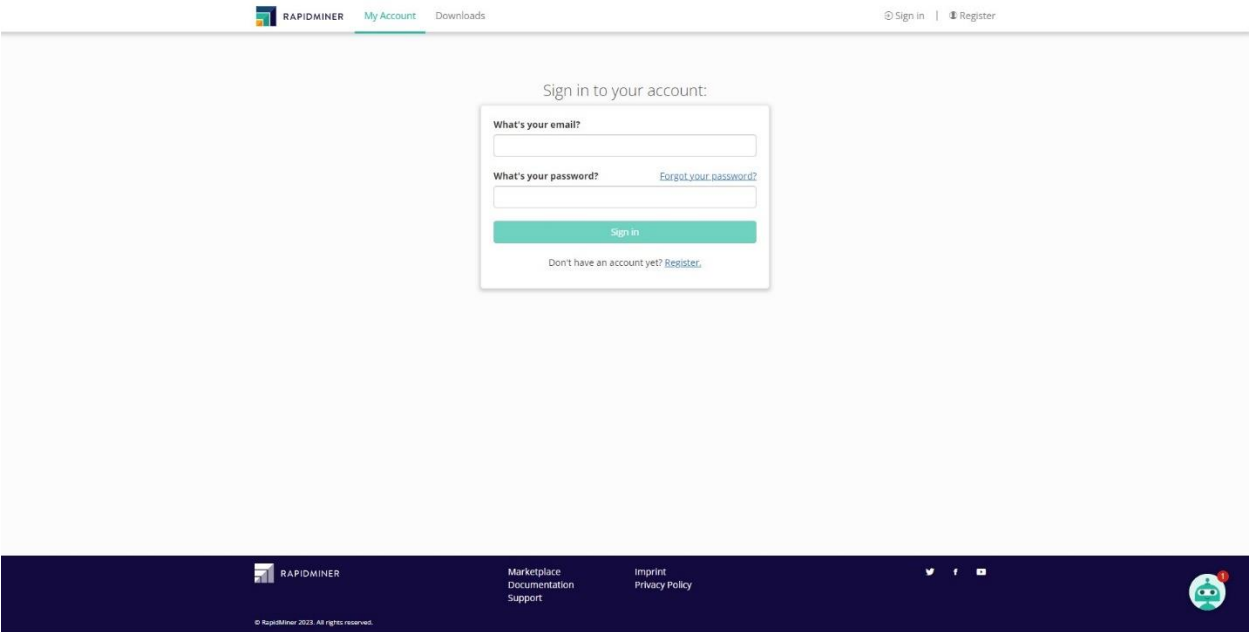
FirstEnergy

HP Hewlett Packard Enterprise

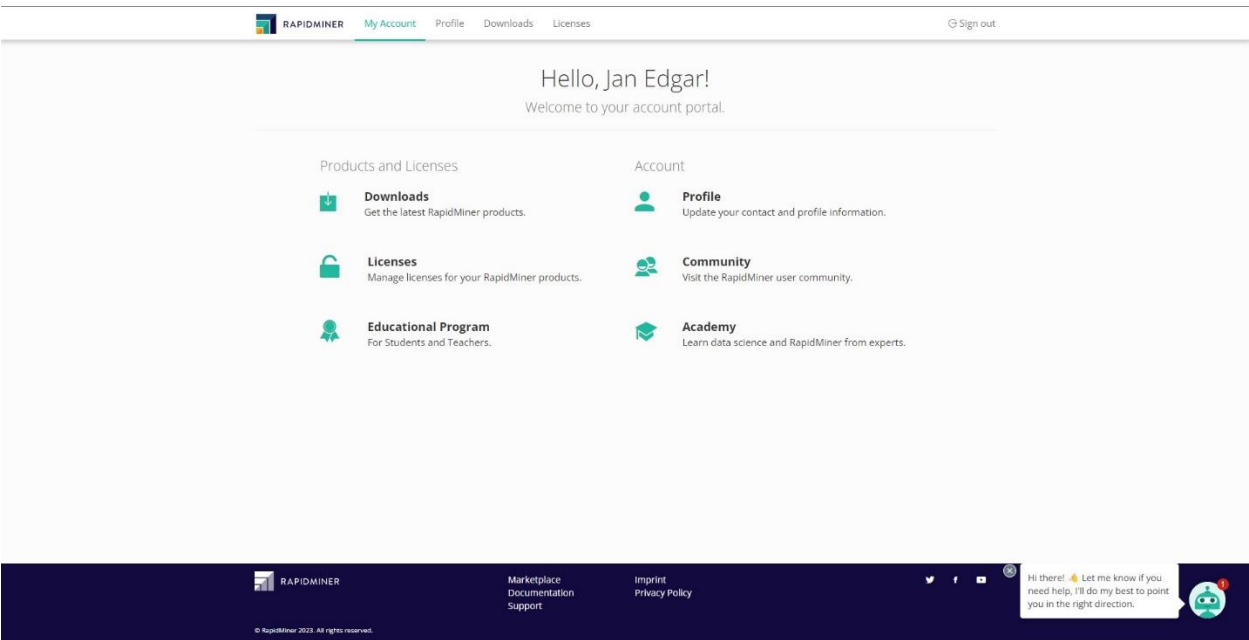
Lufthansa

SONY

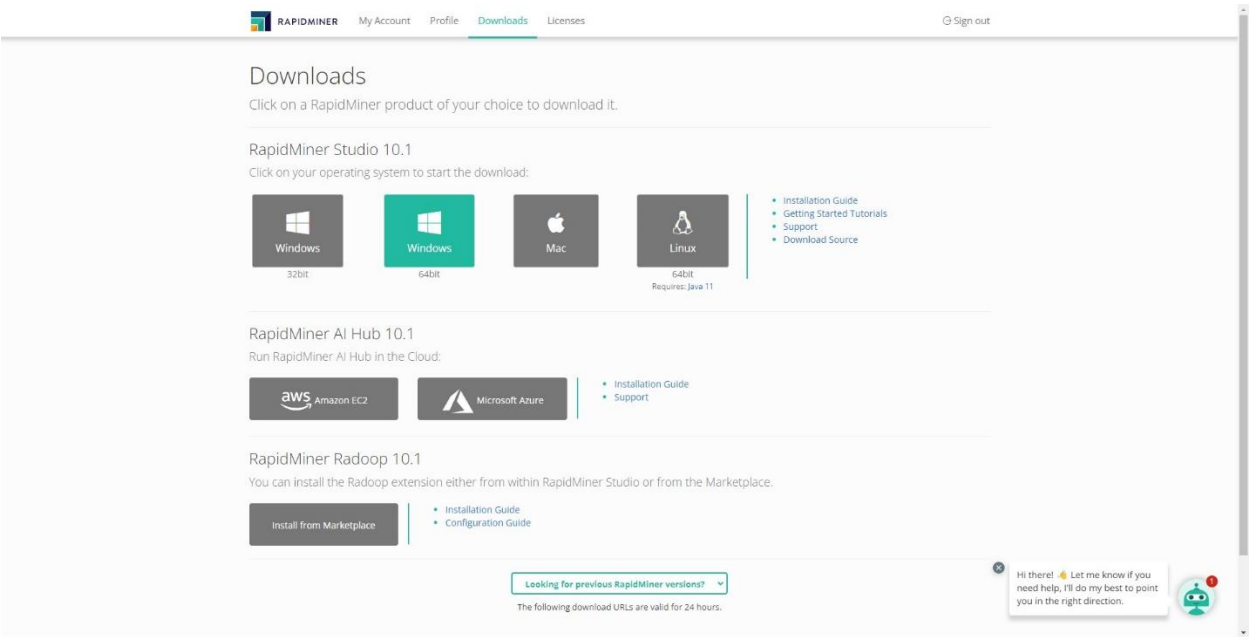
If you already have an existing account, you may simply log in. Otherwise, register a new account and sign in.



After logging in to your account, you will be presented with your account portal as shown below. Click on **Downloads**.

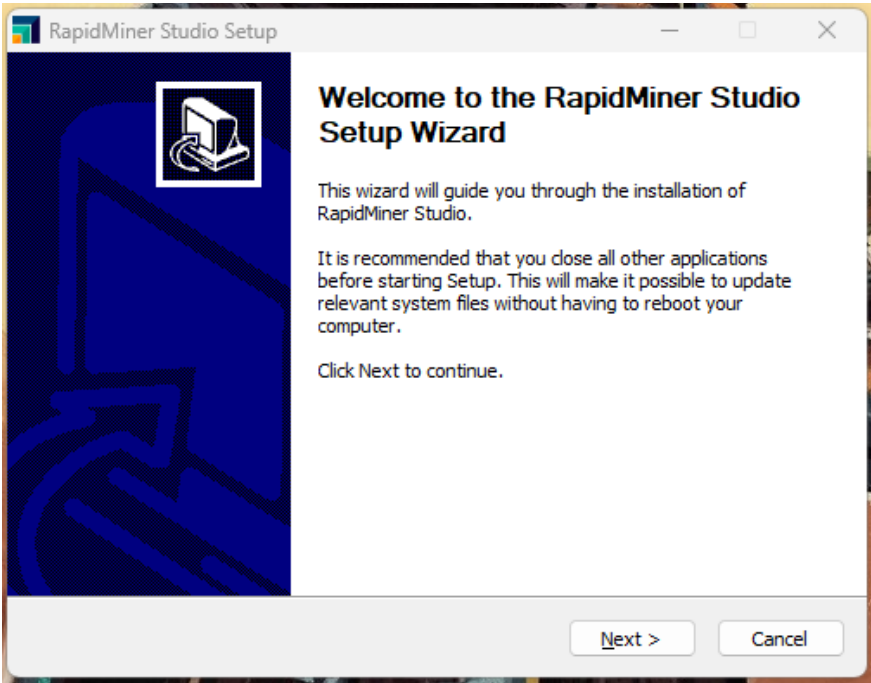


Select the appropriate operating system of your computer. This will then begin the download for RapidMiner Studio installer.

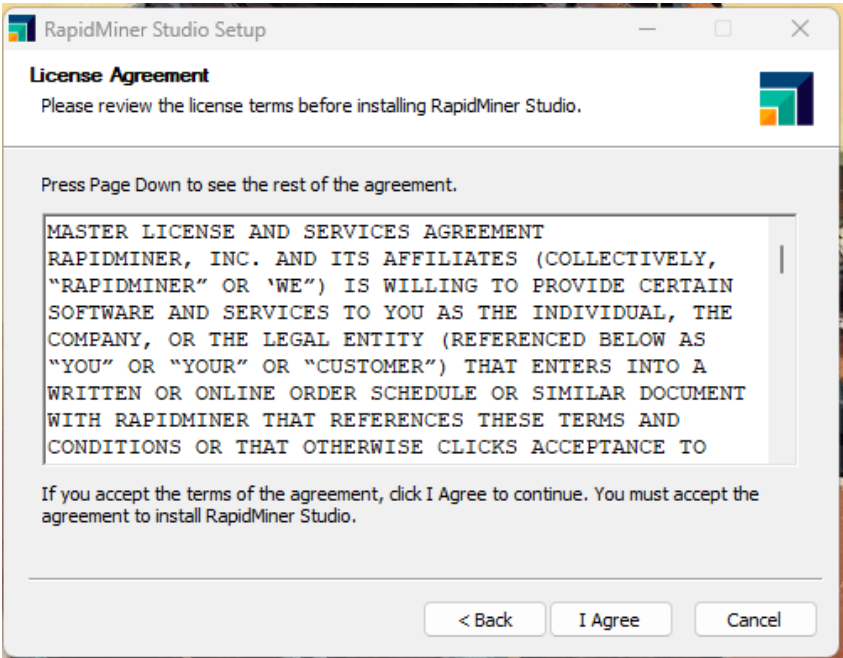


After the download has completed, run the installer. Simply follow the steps in the setup to complete the installation.

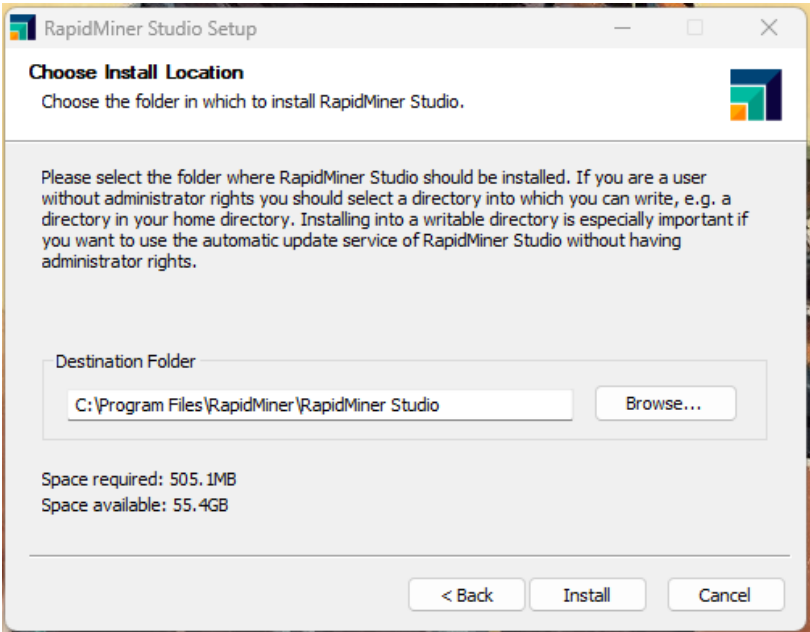
You will be prompted with the **RapidMiner Studio Setup**. Click **Next**.



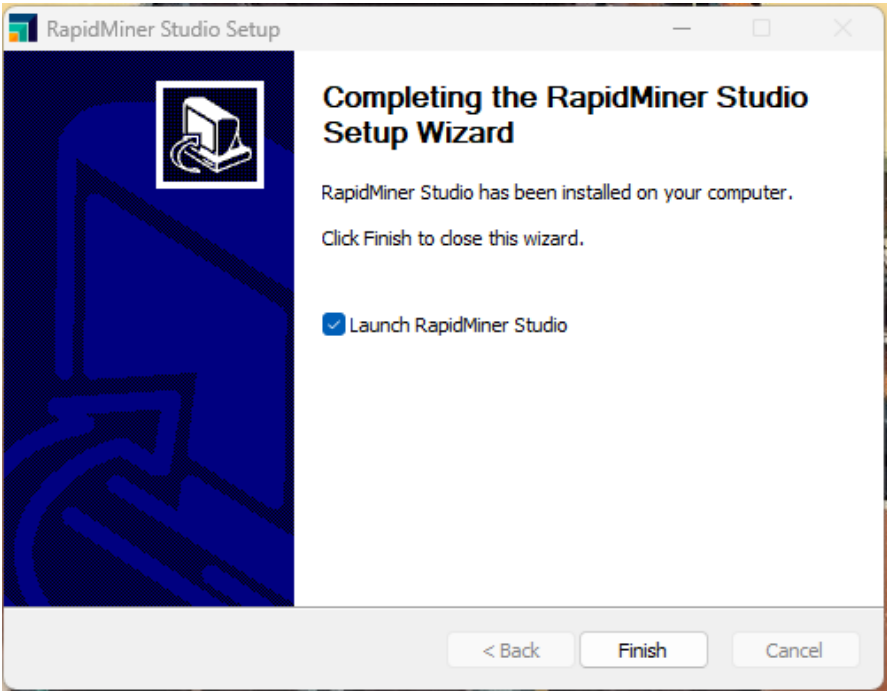
You will be prompted with the **License Agreement**. Click **I Agree**.



Specify the location of RapidMiner Studio's installation. Afterwards, Click **Install**.



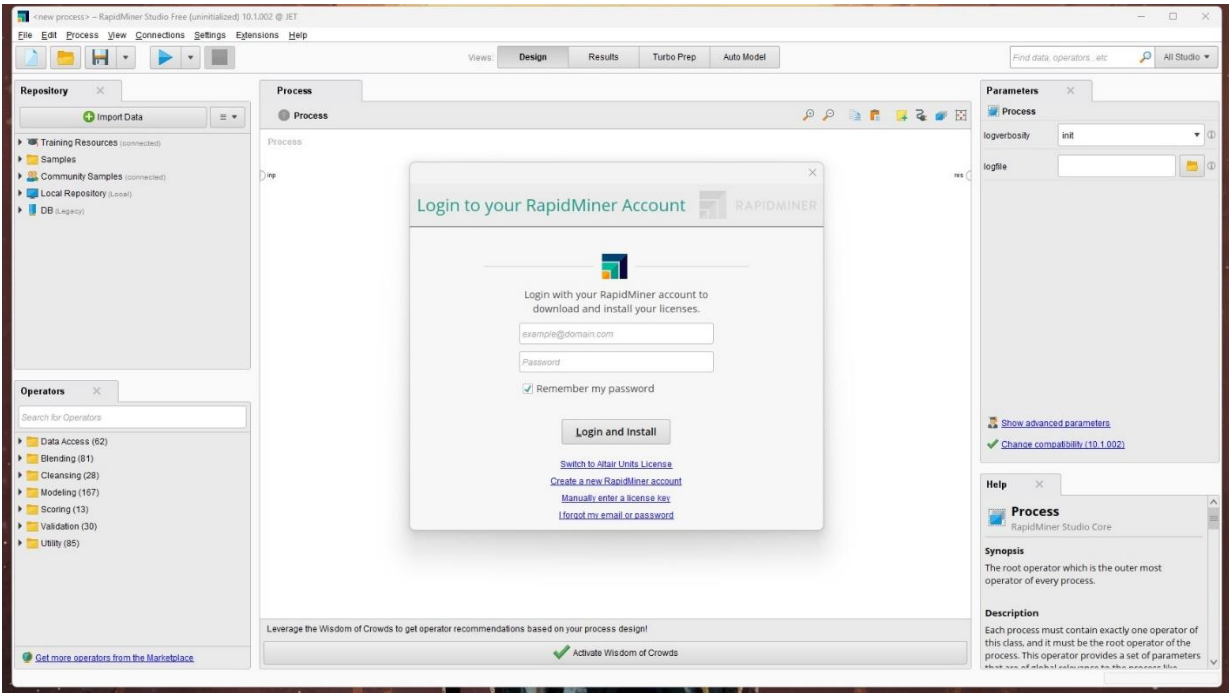
After finishing the installation check on **Launch RapidMiner Studio**. Then click **Finish**.



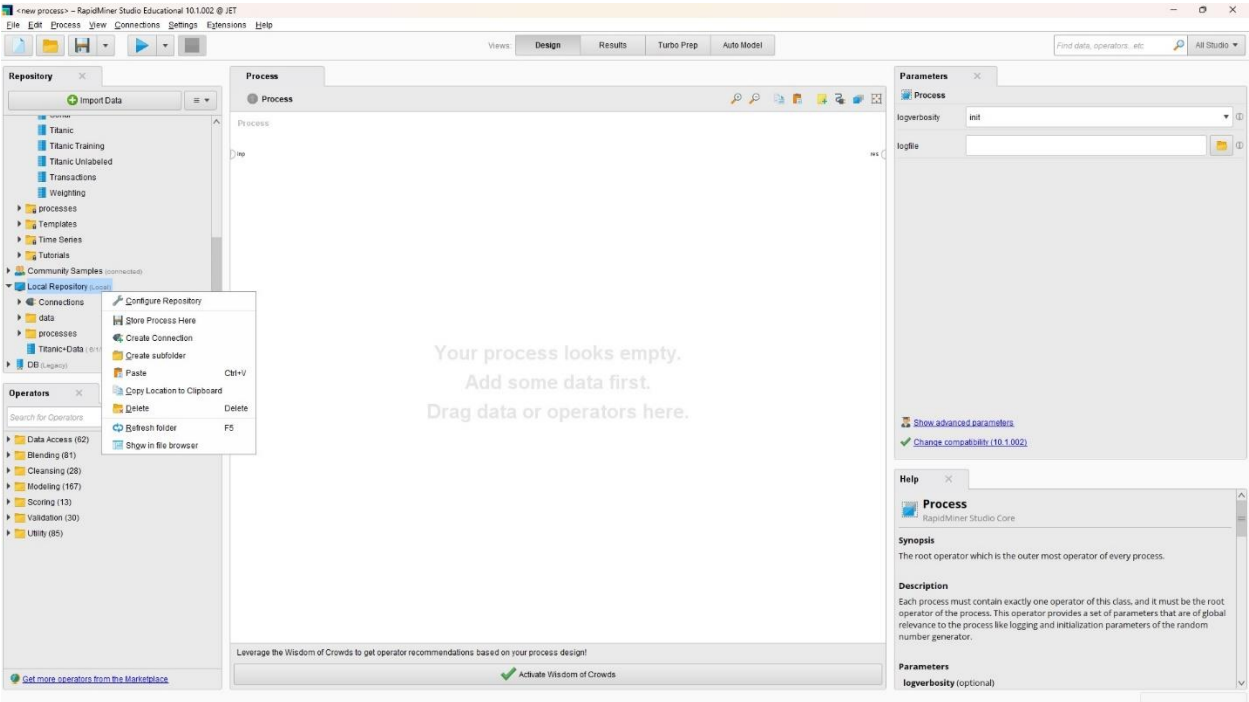
You have successfully installed RapidMiner Studio!

4. Connecting RapidMiner to Twitter for Data Gathering.

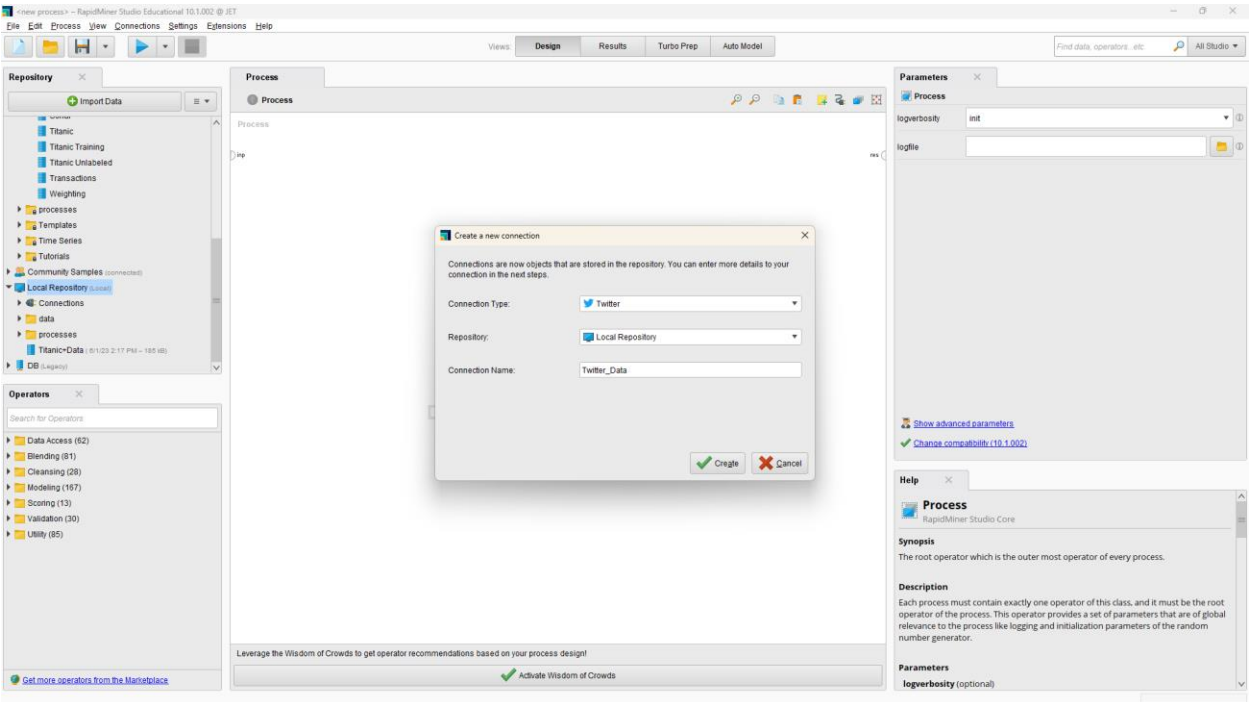
If it is your first time running RapidMiner Studio, you will be asked to login in to your account and install your licenses. Simply enter your login credentials and click **Login and Install**.



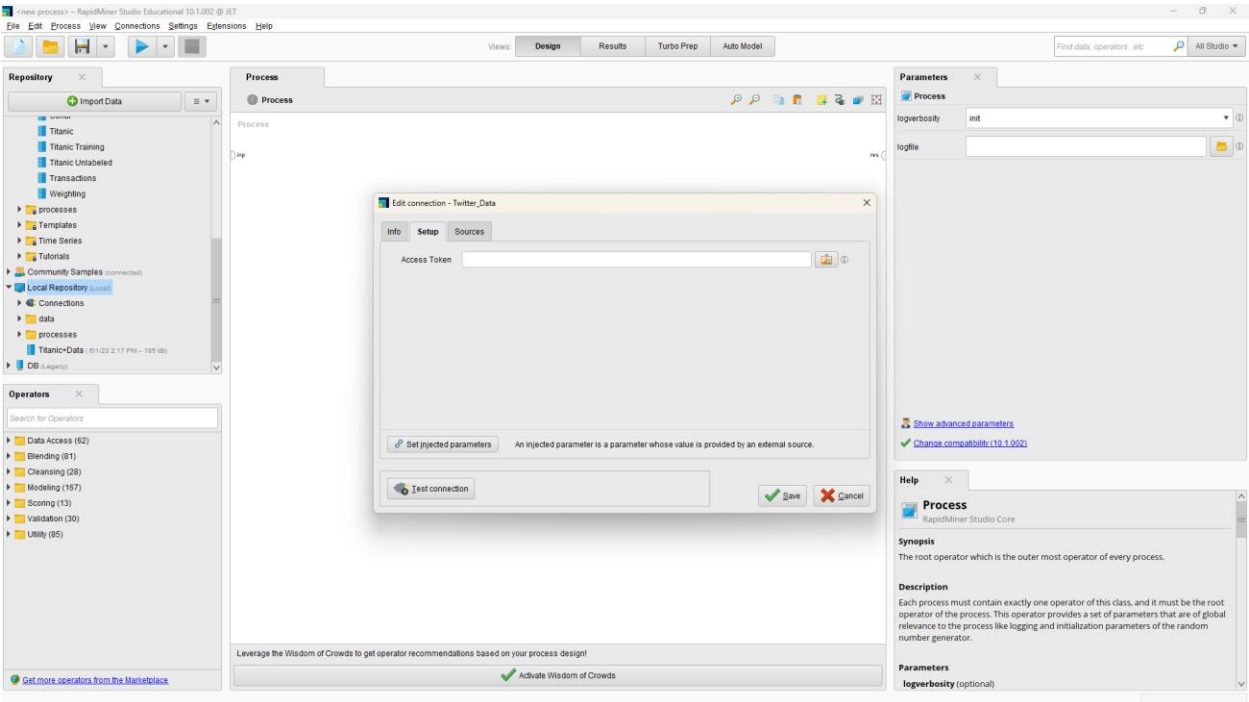
After logging in, you will be presented with the RapidMiner Studio. Navigate to the **Repository** tab located at the left above the **Operations** tabs. Find and right click on **Local Repository**. Click **Create Connection**.



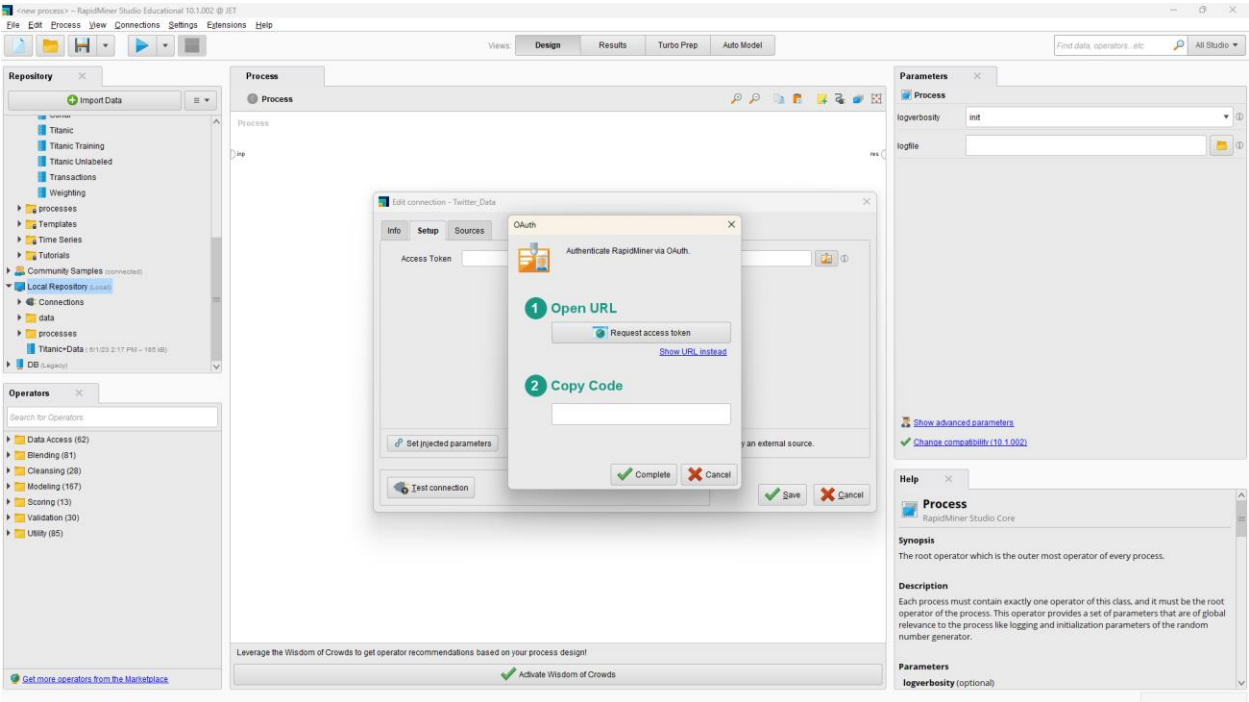
You will be prompted with the **Create a new connection** tab. Set **Connection Type** to **Twitter**. Check that the selected **Repository** is correct and set a **Connection Name**. Afterwards, click **Create**.





You will then be prompted with the **Edit connection** tab. Click on the **Setup** tab. We then need to request an access token. To do so, click on the  button.



You will then be prompted with the **OAuth** tab. Click on the **Request access token** under **Open URL**. This will open the Twitter website in your browser and ask you to login and authorize RapidMiner Social Media Extension to access your account. Click on **Authorize app**.



A page will open and show the access token. Copy the access token and navigate back to RapidMiner Studio.



You've granted access to RapidMiner SocialMedia Extension!

Next, return to RapidMiner SocialMedia Extension and enter this PIN to complete the authorization process:

8913141

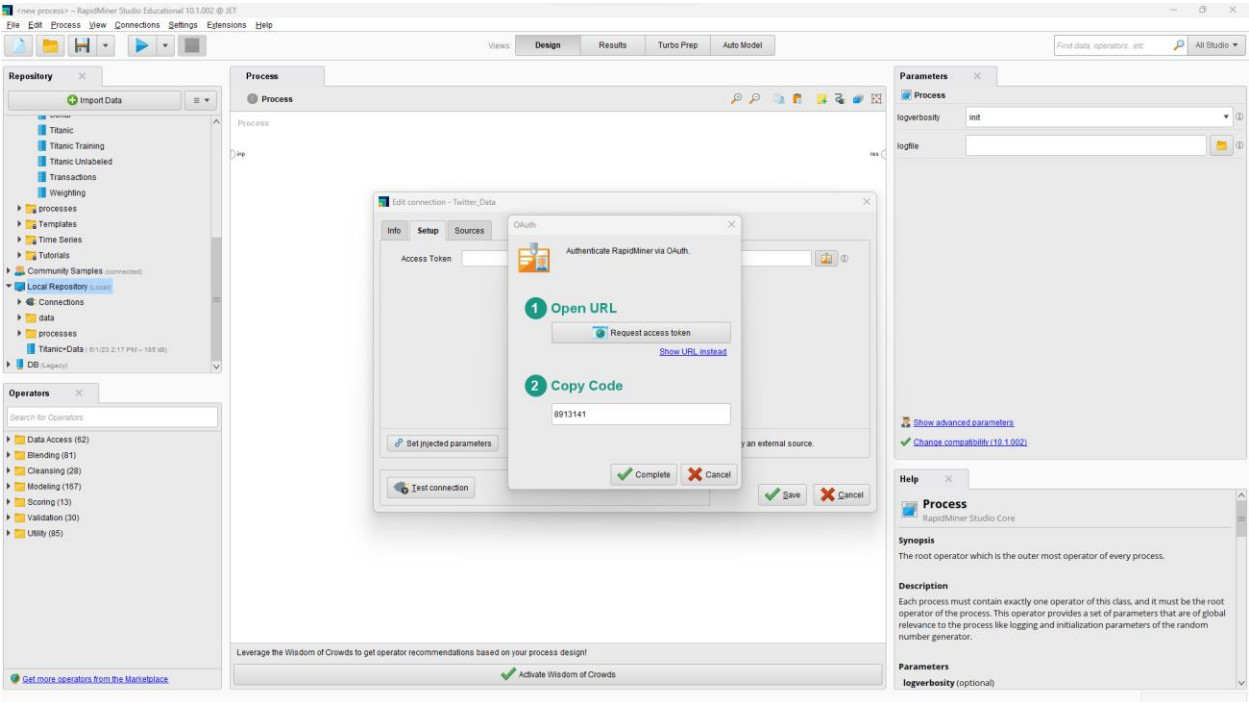
[Go to Twitter](#)

[Go to the RapidMiner SocialMedia Extension homepage](#)

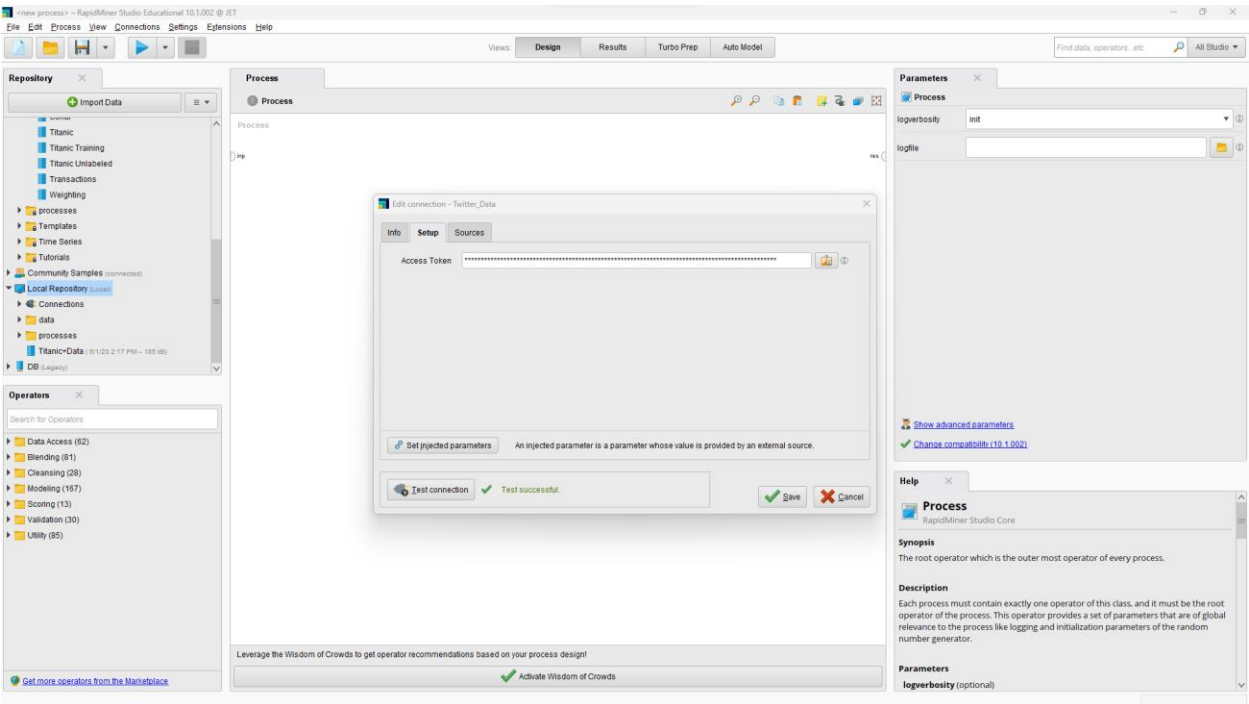
We recommend reviewing the app's terms and privacy policy to understand how it will use data from your Twitter account. You can revoke access to any app at any time from the [Apps and sessions](#) section of your Twitter account settings.

By authorizing an app you continue to operate under Twitter's [Terms of Service](#). In particular, some usage information will be shared back with Twitter. For more, see our [Privacy Policy](#).

Paste the access token under **Copy Code**. Afterwards, click on **Complete**.



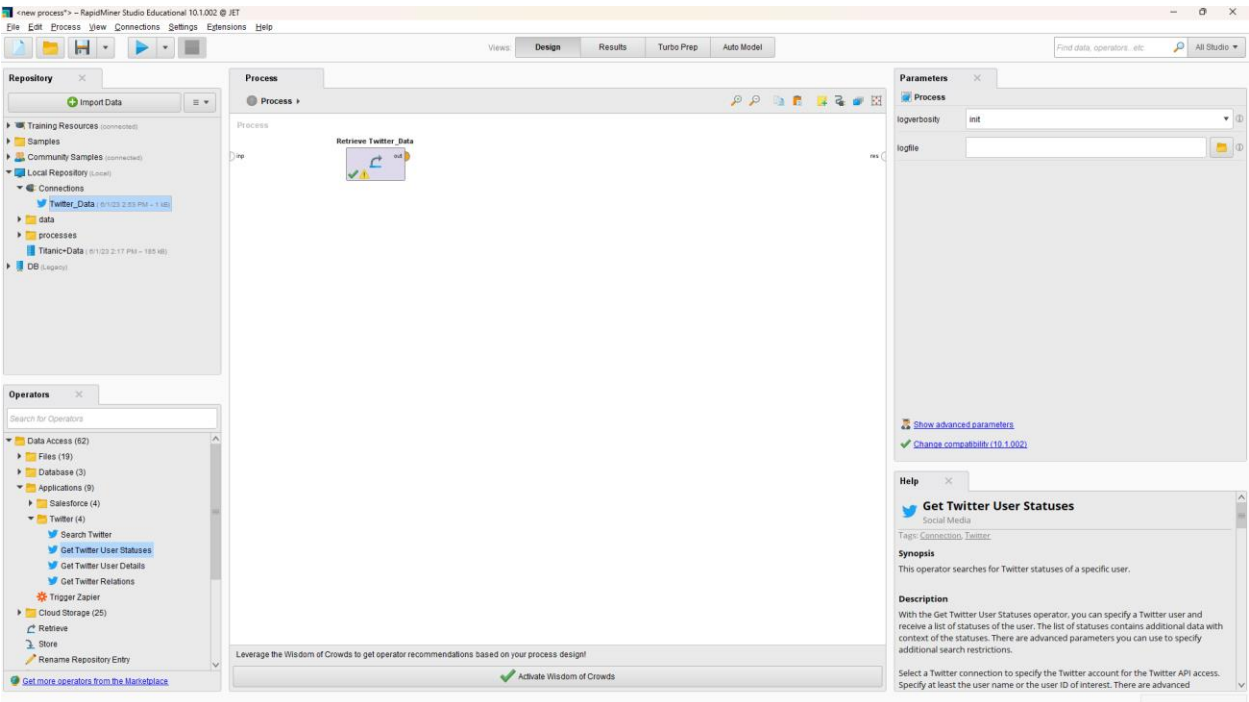
To ensure that the connection was successful, click on **Test connection**. A test successful message should be shown to verify successful connection. Click on **Save** to save the connection and finish the connection process. In case of a failed test, ensure that the access token you copied was correct. Otherwise, repeat the entire process.



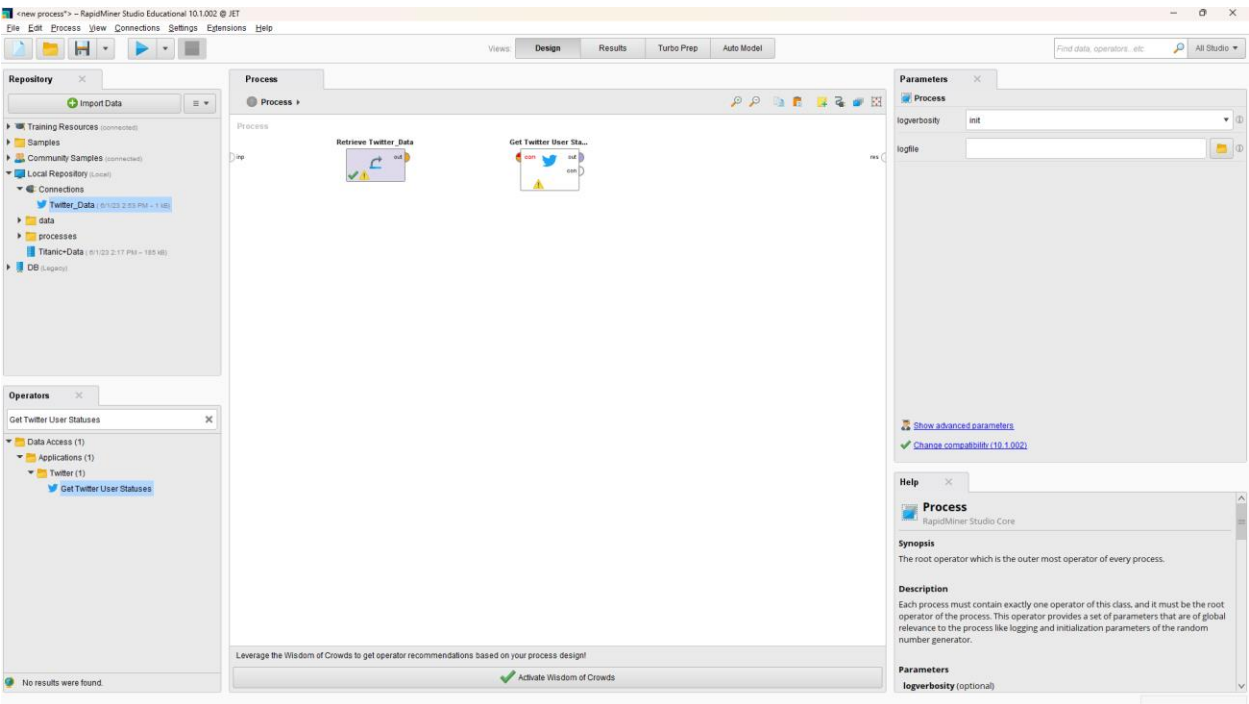
You have now successfully connected Twitter to RapidMiner and can now begin Data Gathering!

5. Download a sample data set from Twitter using RapidMiner

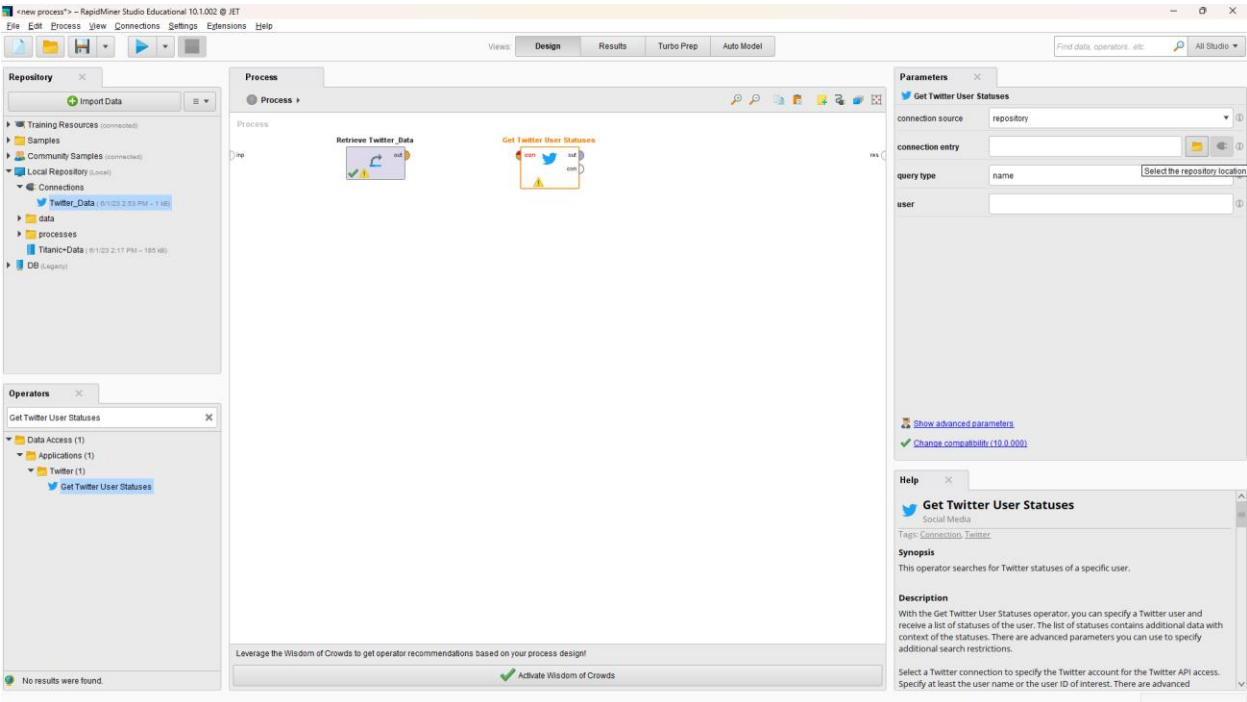
In this data set, we retrieve tweets from a specific Twitter user. From **Connection**, drag the twitter connection you created earlier to the process area in the middle of the studio.



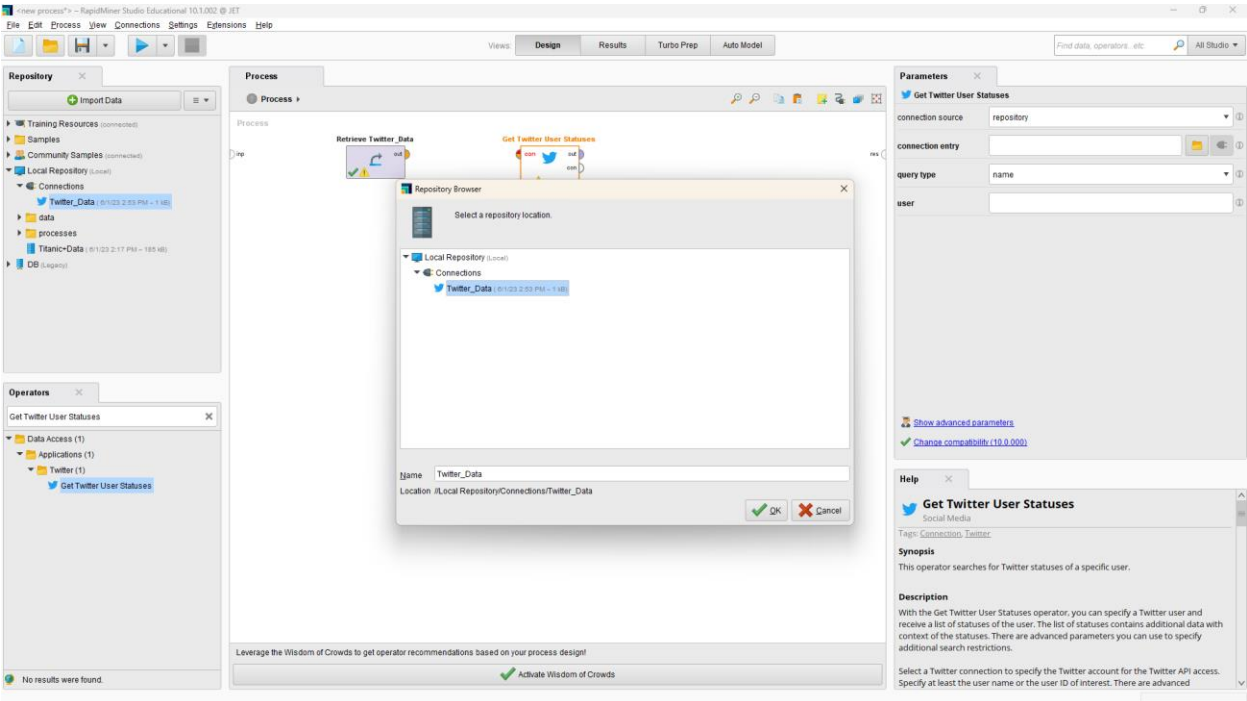
Navigate to the Operators tab located at the left and below the Repository tab. Search for the **Get Twitter User Statuses** operator in the search box. Drag the operator to the process area in the middle of the studio.



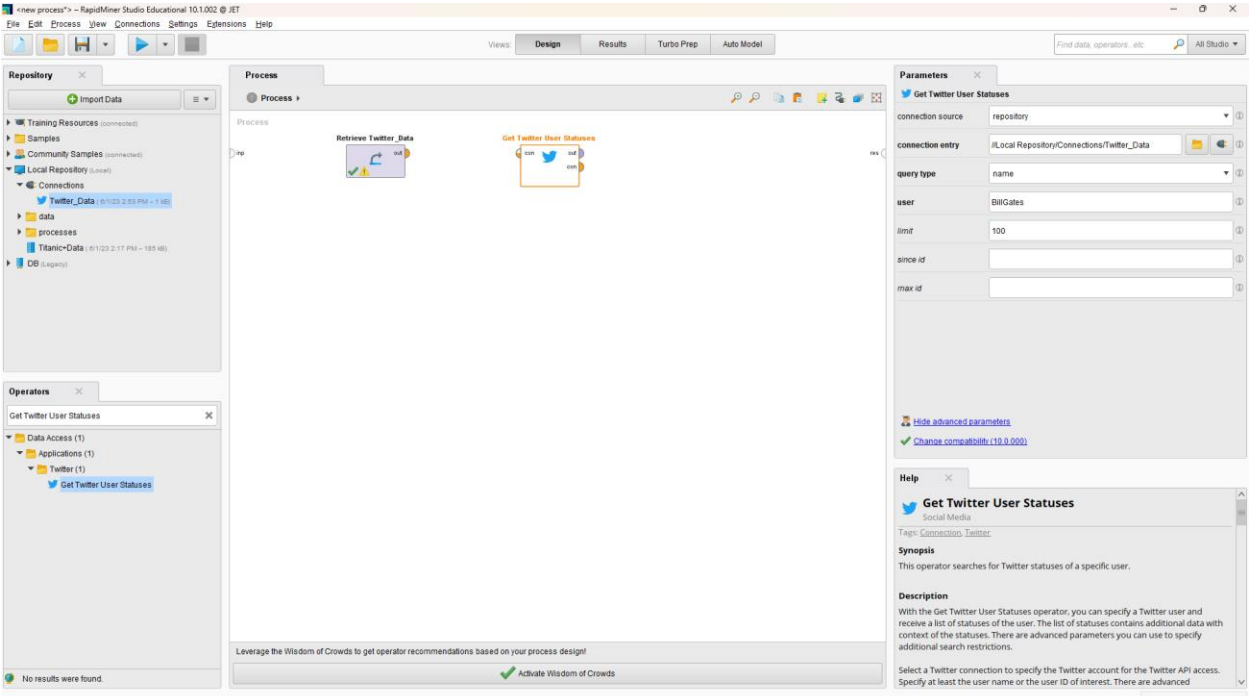
Navigate to the **Parameters** tab on the right. Click on the folder icon along the connection entry line.



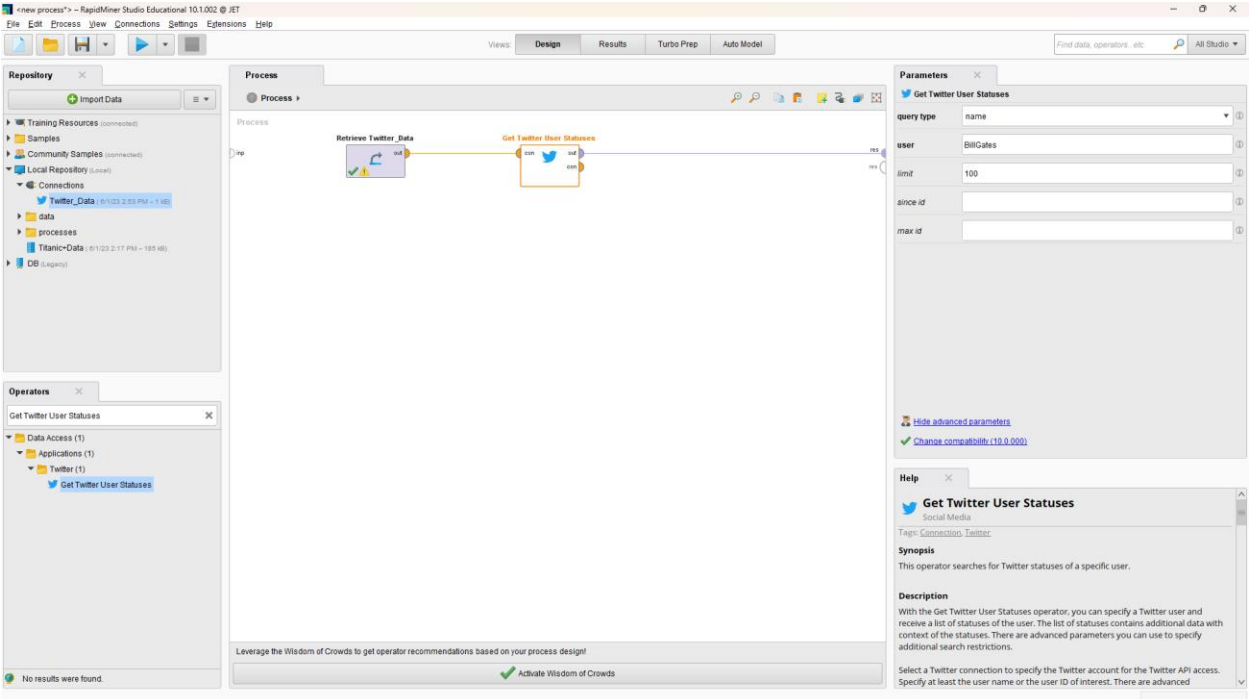
You will be prompted with the **Repository Browser** tab. Select the Twitter connection that was created earlier and click the **OK**.



In the **Parameters** tab beside **user**, enter the username of the user you want to retrieve tweets from. You can also change **query type** to id and enter the id of the user you want to retrieve tweets from. Click on **Show advanced parameters**. You can then specify the **limit** of the number of tweets to be shown in the results, and the **since ID** and **max ID** to specify the period of time of the tweets.



Navigate to the process area located in the middle of the studio. Click **Retrieve Twitter_Data.output** and connect it to the **Get Twitter User Statuses.connection**. click the **Get Twitter User Statuses.output** and connect it to the **process.result**. Click on the run button.



The results are shown where the last 100 tweets of Bill Gates are returned. The data set includes ID, date and time the tweet was created, the user that created the tweet and their ID, the user that the tweet is sent to and their ID, the language of the tweet, the source link of the tweet, the geo-location of the tweet with regards to latitude and longitude, and the number of retweets.

File

Edit

Process

View

Connections

Settings

Extensions

Help

Views

Design

Results

Turbo Prep

Auto Model

Find data, operators, etc.

All Studio

Result History

ExampleSet (Get Twitter User Statuses)ExampleSet (/Local Repository/Titanic+Data)

Open in

Turbo Prep

Auto Model

Filter (100 / 100 examples):

all

Row No.

Id

Created At

From-User

From-User-Id

To-User

To-User-Id

Language

Source

Text

Geo-Location

Geo-Location

Retweet Co...

1

1663965924...

06 1, 23 1:49...

Bill Gates

50393960

?

-1

en

<a href="http...

I hope you ha...

?

?

117

2

1663680074...

05 31, 23 6:5...

Bill Gates

50393960

?

-1

en

<a href="http...

I'm excited by...

?

?

73

3

1663664565...

05 31, 23 5:5...

Bill Gates

50393960

?

-1

en

<a href="http...

For the past d...

?

?

153

4

1663687466...

05 31, 23 12...

Bill Gates

50393960

?

-1

en

<a href="http...

RT @gatesfo...

?

?

61

5

1661812592...

05 26, 23 3:1...

Bill Gates

50393960

?

-1

en

<a href="http...

It was an hon...

?

?

615

6

1661779679...

05 26, 23 1:0...

Bill Gates

50393960

?

-1

en

<a href="http...

RT @MSuzman...

?

?

120

7

1659607133...

05 20, 23 1:0...

Bill Gates

50393960

?

-1

en

<a href="http...

Really good n...

?

?

1022

8

1659226782...

05 18, 23 11...

Bill Gates

50393960

?

-1

en

<a href="http...

RT @gatesfo...

?

?

175

9

1658527008...

05 17, 23 1:3...

Bill Gates

50393960

?

-1

en

<a href="http...

I often say Ri...

?

?

543

10

1658112824...

05 15, 23 10...

Bill Gates

50393960

?

-1

en

<a href="http...

My message ...

?

?

364

11

1657031689...

05 12, 23 19...

Bill Gates

50393960

?

-1

en

<a href="http...

Ric was empl...

?

?

238

12

1656761885...

05 12, 23 4:4...

Bill Gates

50393960

?

-1

en

<a href="http...

RT @AllData...

?

?

134

13

1656761693...

05 12, 23 4:4...

Bill Gates

50393960

?

-1

en

<a href="http...

Building a cle...

?

?

306

14

1656721701...

05 12, 23 2:0...

Bill Gates

50393960

?

-1

en

<a href="http...

It's possible t...

?

?

346

15

1656378807...

05 11, 23 3:2...

Bill Gates

50393960

?

-1

en

<a href="http...

I had the best...

?

?

248

16

1656330257...

05 11, 23 12...

Bill Gates

50393960

?

-1

en

<a href="http...

Expanding ac...

?

?

232

17

1656031621...

05 10, 23 4:2...

Bill Gates

50393960

?

-1

en

<a href="http...

I'm very enco...

?

?

293

18

1656018194...

05 10, 23 3:2...

Bill Gates

50393960

?

-1

en

<a href="http...

By prioritizing...

?

?

188

19

1655657995...

05 9, 23 3:36...

Bill Gates

50393960

?

-1

en

<a href="http...

Eradicating s...

?

?

247

20

1655639424...

05 9, 23 2:22...

Bill Gates

50393960

?

-1

en

<a href="http...

Nuclear ener...

?

?

448

21

1655302070...

05 8, 23 4:02...

Bill Gates

50393960

?

-1

en

<a href="http...

Aside from w...

?

?

375

22

1654545545...

05 6, 23 1:56...

Bill Gates

50393960

?

-1

en

<a href="http...

This need-gen...

?

?

429

23

1654522375...

05 6, 23 12:2...

Bill Gates

50393960

?

-1

en

<a href="http...

On internatio...

?

?

177

24

1654209878...

05 5, 23 3:42...

Bill Gates

50393960

?

-1

en

<a href="http...

RT @gatesfo...

?

?

108

25

1653825855...

05 4, 23 2:16...

Bill Gates

50393960

?

-1

en

<a href="http...

When I first m...

?

?

211

26

1652432645...

04 30, 23 6:0...

Bill Gates

50393960

?

-1

en

<a href="http...

As we rely m...

?

?

356

27

1652000756...

04 29, 23 2:3...

Bill Gates

50393960

?

-1

en

<a href="http...

Mann Hi Baat...

?

?

2086

ExampleSet (100 examples, 1 special attribute, 11 regular attributes)

Repository

Import Data

Training Resources (connected)

Samples

Community Samples (connected)

Local Repository (local)

Connections

Twitter_Data (5/1/23 2:53 PM - 1 KB)

data

processes

Titanic-Data (5/1/23 2:17 PM - 185 KB)

DB (Legacy)

To export the results, click on **Turbo Prep** located above the data set table. Click on the three dots ... at the right side beside **HISTORY** and click **EXPORT**.

File

Edit

Process

View

Connections

Settings

Extensions

Help

Views

Design

Results

Turbo Prep

Auto Model

Find data, operators, etc.

All Studio

Turbo Prep

Data Sets

+ LOAD DATA

Data from Process

Created by Get Twitter User Statuses

Rows: 100

Columns: 12

Last Change: None

Data from Process

Add new data sets on the left. Details for the selected data are shown below. You can change the data with the following actions: ⓘ

✕ TRANSFORM✔️ CLEANSE📄 GENERATEΣ PIVOT➡️ MERGE

MODELCHARTSADD TO PROCESSHISTORYEXPORT

Save the current data set in a repository or exports it to a file.

COPYREMOVE

Created At

From-User

From-User-Id

To-User

To-User-Id

Language

Source

Text

Geo-Location La...

Geo-Location-Lo...

Retweet Count

Id

Created At

From-User

From-User-Id

To-User

To-User-Id

Language

Source

Text

Geo-Location La...

Geo-Location-Lo...

Retweet Count

Id

Jun 1, 2023 1:49:28...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

I hope you have pie...

?

?

118

166396592446100...

May 31, 2023 6:53...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

I'm excited by the p...

?

?

73

166368007417509...

May 31, 2023 5:51...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

For the past decad...

?

?

153

166366456509432...

May 31, 2023 12:45...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

RT @gatesfounda...

?

?

61

166368746697845...

May 26, 2023 3:12...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

It was an honor to ...

?

?

615

166181259207419...

May 26, 2023 1:02...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

RT @MSuzman Fo...

?

?

120

16617796782963...

May 20, 2023 1:09...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

Really good news: ...

?

?

1022

165960713309113...

May 18, 2023 11:57...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

RT @gatesfounda...

?

?

175

165822678260970...

May 17, 2023 1:37...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

I often say Richard...

?

?

543

165852700838792...

May 15, 2023 10:11...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

My message to the ...

?

?

364

165811282460480...

May 12, 2023 10:35...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

Ric was employee ...

?

?

238

165703168964469...

May 12, 2023 4:43...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

RT @AllData Appl...

?

?

134

165676188574895...

May 12, 2023 4:42...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

Building a clean en...

?

?

306

165676169319065...

May 12, 2023 2:03...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

It's possible to bui...

?

?

346

165672170191547...

May 11, 2023 3:20...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

I had the best day I...

?

?

248

165637880791238...

May 11, 2023 12:08...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

Expanding access t...

?

?

232

165633025758529...

May 10, 2023 4:21...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

I'm very encourage...

?

?

293

165603162112724...

May 10, 2023 3:27...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

By prioritizing acce...

?

?

188

165601819467776...

May 9, 2023 3:36:4...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

Eradicating smalp...

?

?

247

165565799504347...

May 9, 2023 2:22:5...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

Nuclear energy, if w...

?

?

448

165563942484222...

May 8, 2023 4:02:2...

Bill Gates

50393960

?

-1

en

<a href="https://mo...

Aside from water t...

?

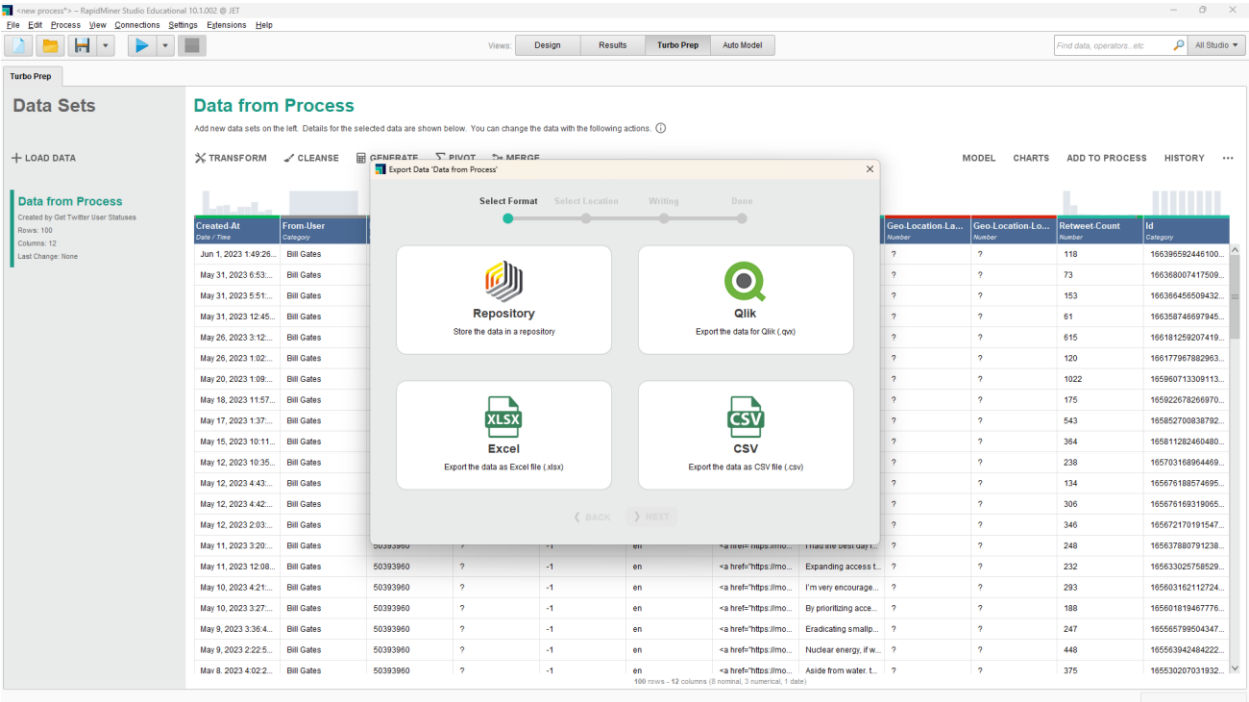
?

375

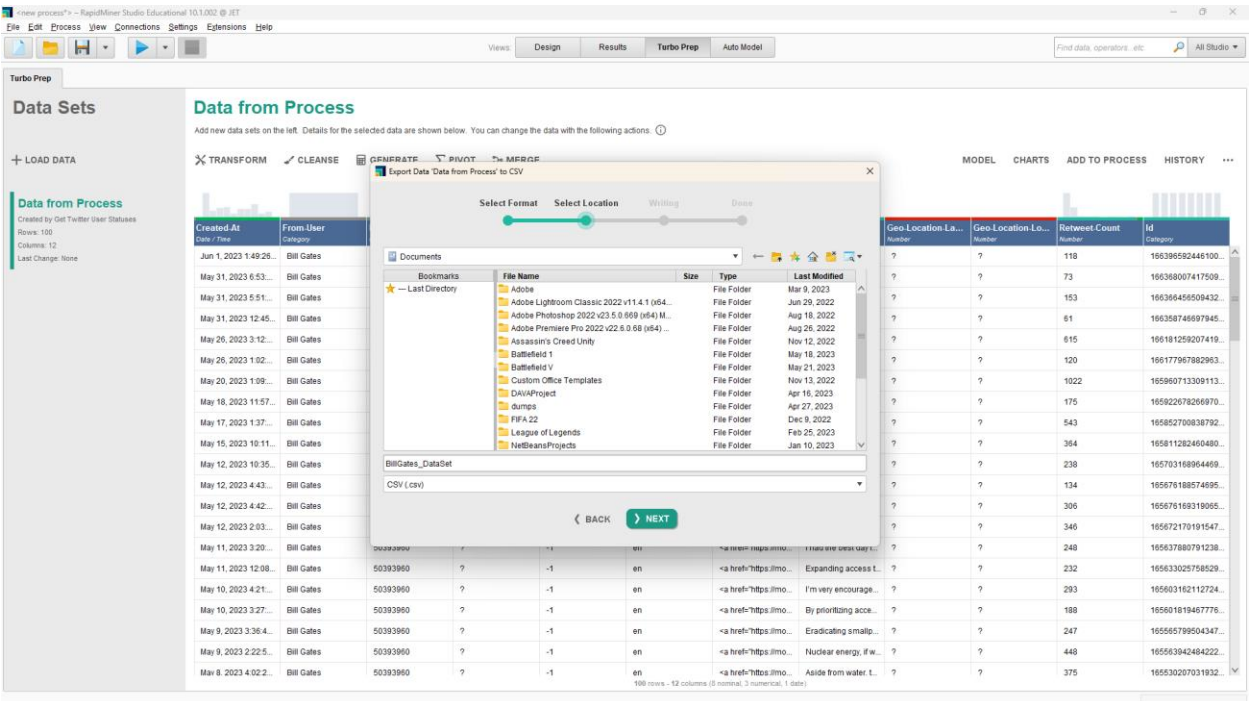
165530207031932...

100 rows - 12 columns (8 nominal, 3 numerical, 1 date)

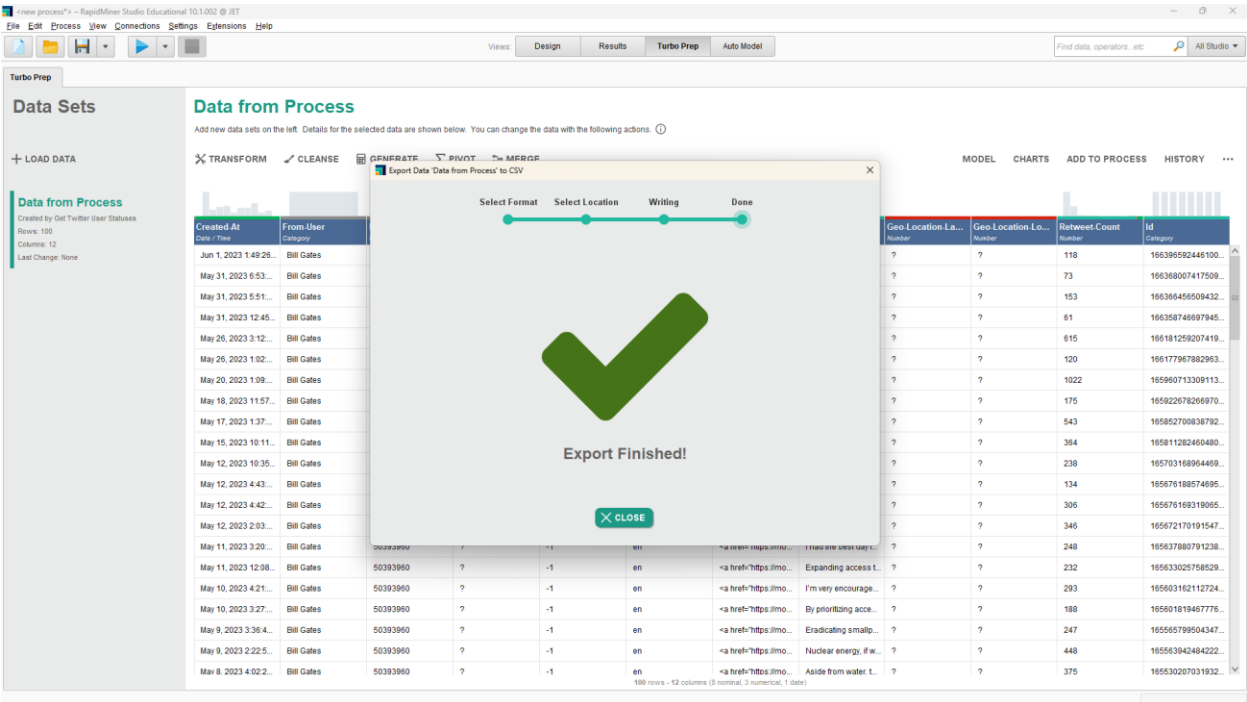
You can choose between formats in exporting the data set. Click **CSV**.



Select the location where you want to export the csv file to. Afterwards, specify the name of the file. Click **Next**.



You will then be prompted with a tab showing that the export is finished. Click **Close**. Navigate to the location where you stored your file and open it to verify that the data set has been exported.



You have now successfully gathered and downloaded a data set from Twitter using RapidMiner!