

Conta developer no Twitter

Este documento detalha os passos para se criar uma conta de desenvolvedor, um app cadastrado e obter API Keys e Tokens que serão necessários para fazer o Projeto 2.

Conta no Twitter

Primeiramente, crie uma conta no *Twitter*. Depois siga os passos a seguir para criar uma conta *Developer*.

Conta developer

Depois, peça para ter acesso de desenvolvedor ao Twitter, o que pode ser feito na URL abaixo: <https://developer.twitter.com/en/apply-for-access> e clicando na opção *Apply for a Developer Account*

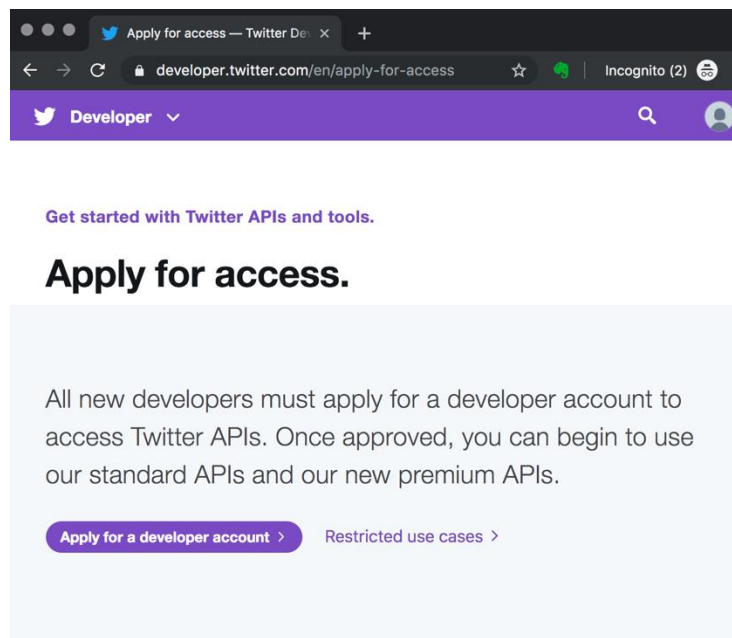


Figura 1 - requisitando acesso developer

Versão Student

Em seguida, informe ao Twitter que você é um estudante e que vai usar a conta para fazer um projeto de curso, marcando a versão *Student*

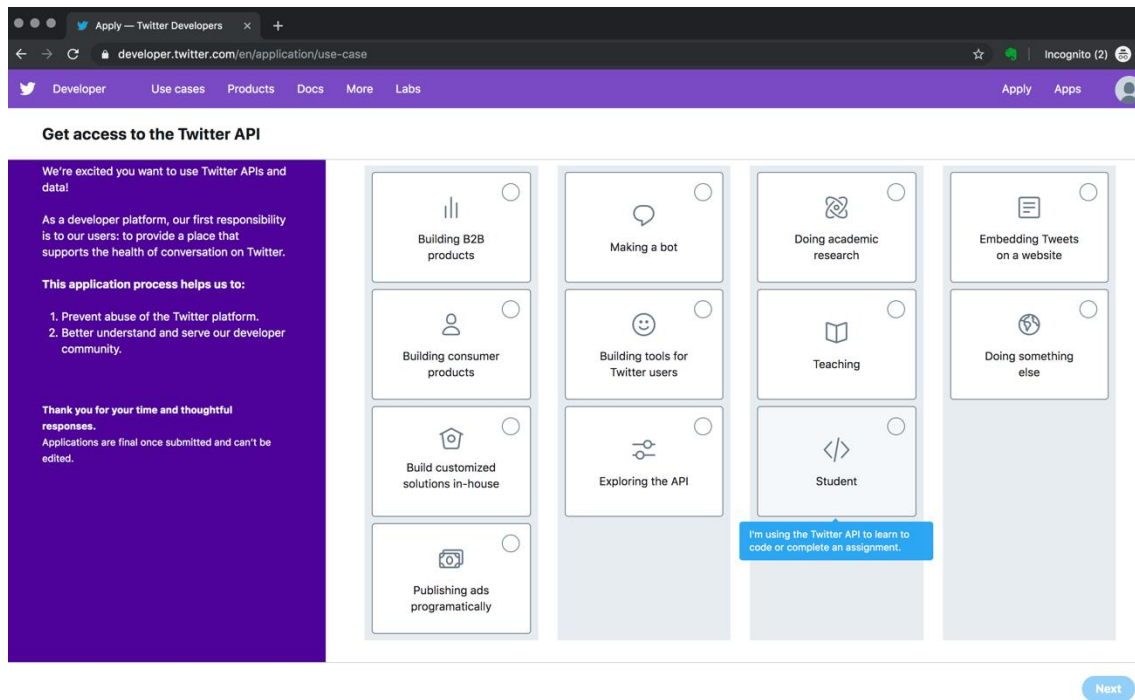


Figura 2 - Opção conta Student

Confirmação de dados e telefone

Uma conta desenvolvedor vai exigir um número de telefone válido. Se você ainda não associou sua conta a um telefone, vai precisar fazê-lo agora.

The screenshot shows the Twitter Developer API sign-up process in a browser. The page title is "Get access to the Twitter API". The breadcrumb navigation is "Twitter @username > Intended use > Review > Terms". The main content area is divided into two columns. The left column, with a purple background, contains the heading "Individual developer account" and explains that the user is signing up for an individual developer account. It lists typical users: Students, Individual researchers, Hobbyists, Bot creators, and Makers. It also includes a note about inviting others to share API access. The right column, with a light blue background, displays the user's information: a profile picture, the username "fabio_0001", and the display name "@0001Fabio". It states that this @username will be the login for the developer account. A red message indicates that the phone number associated with the Twitter @username is not verified and must be added and verified before applying for developer access. A blue button labeled "Add a valid phone number" is present. Below this, there are two more sections: "Individual developer account" with a link to "Switch to a team developer account", and an email address "fmiranda+twitterdev@gmail.com" with a link to "Change email address". At the bottom right, there are "Back" and "Next" buttons.

Apply — Twitter Developers

developer.twitter.com/en/application/login?useCase=13

Developer Use cases Products Docs More Labs

Apply Apps

Get access to the Twitter API

Twitter @username > Intended use > Review > Terms

Individual developer account

You are signing up for an individual developer account.

These are typically used for:

- Students
- Individual researchers
- Hobbyists
- Bot creators
- Makers

If you think you may need to invite other people to your account in the future to share API access or apps, please [create a team developer account](#) instead.

fabio_0001
@0001Fabio

This @username will be the login for your developer account.

The phone number associated with this Twitter @username is not verified. You must add a valid phone number and verify it prior to applying for developer access.

[Add a valid phone number](#)

Individual developer account

You are signing up for an individual developer account. ⓘ

[Switch to a team developer account](#)

fmiranda+twitterdev@gmail.com

We'll send important communications about your account to this email. ⓘ

[Change email address](#)

[Back](#) [Next](#)

Depois de inserir seu número de telefone, deverá receber uma mensagem de confirmação via SMS contendo um código.

Questionário de intenções

O Twitter vai querer saber o que você vai querer fazer com seu aplicativo. Escolha um nome para seu perfil de desenvolvedor (não precisa ser seu username).

Get access to the Twitter API

Twitter @username > Intended use > Review > Terms

Apply, please. Submit your application. Instead.

fmiranda+twitterdev@gmail.com
[Change email address](#)

We'll send important communications about your account to this email. ⓘ

What country do you live in? Brazil

What would you like us to call you? datascience_fabio

Want updates about the Twitter API?
It's not spammy, we promise. Useful and interesting content only about the Twitter API.

☒ Send me product updates & occasional promotional emails about the Twitter API.

We are constantly working to improve our products and experiences. You may receive occasional emails from our team requesting feedback on your experience.

Back Next

Em seguida vamos fornecer detalhes sobre como pretendemos usar a Twitter API. Veja os detalhes a seguir.

Get access to the Twitter API

Twitter @username > Intended use > Review > Terms

Thank you for your thoughtful answers.

Please describe how you will analyze Twitter data including any analysis of Tweets or Twitter users.

Apple and Unhappy with Apple

Using the tweets I classified, I'll be able to then classify new tweets instantly given the conditional probabilities of the words they contain based on the two categories I described above

Response must be at least 100 characters

Will your app use Tweet, Retweet, like, follow, or Direct Message functionality? No

Do you plan to display Tweets or aggregate data about Twitter content outside of Twitter? No

Will your product, service or analysis make Twitter content or derived information available to a government entity? No

Back Next

How you plan to use

Insira uma descrição esclarecendo suas intenções benignas. Se estiver sem ideias, use a que sugerimos a seguir:

I need to complete a data science homework assignment about bayesian sentiment classification of tweets.

I need the key to download a few tweets about some topics of my choice.

Describe how you will analyze

Explique o tipo de análise que fará. Sinta-se à vontade para usar o texto fornecido:

This is a coursework about sentiment classification.

First I'll choose a product or brand, for instance "Apple".

Then I'll download a reasonable amount of tweets using the API Key and the Tweepy Python API.

After those tweets are downloaded, I'll need to classify them by hand into categories, for instance "Happy with Apple" and "Unhappy with Apple"

Using the tweets I classified, I'll be able to then classify new tweets instantly given the conditional probabilities of the words they contain based on the two categories I described above

Will your app use Tweet, Retweet, follow or DM?

O quanto mais *neutro* seu aplicativo for, e o quanto menos provável de ele interagir com pessoas reais, mais rápida se dará a liberação de sua conta *dev* pelo Twitter:

No

Do you plan to display tweets or aggregate data about tweet content outside of twitter?

Nosso uso vai ser privado. A melhor resposta é

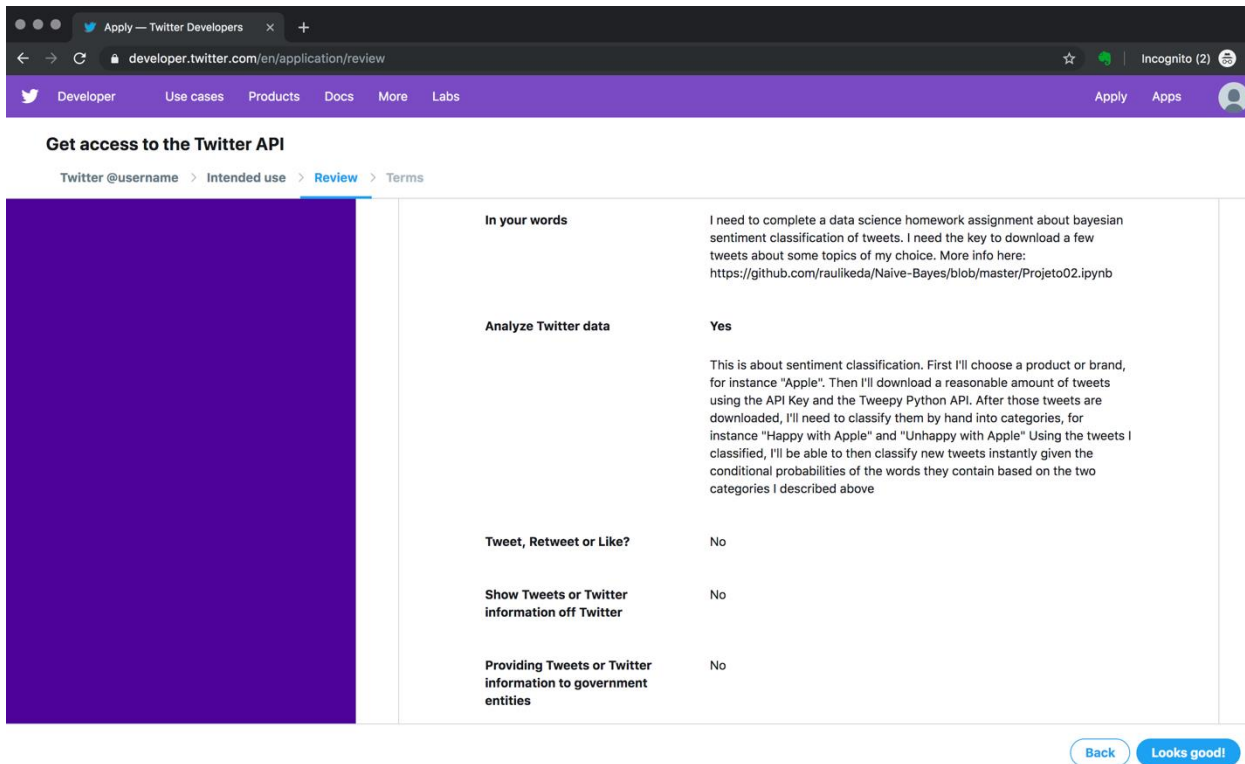
No

Will your product, service or analysis make twitter content or derived information available to a government entity?

Nós não pretendemos fazer monitoramento para nenhum governo. Então *no*

No

Após fornecer estas informações, confirme:

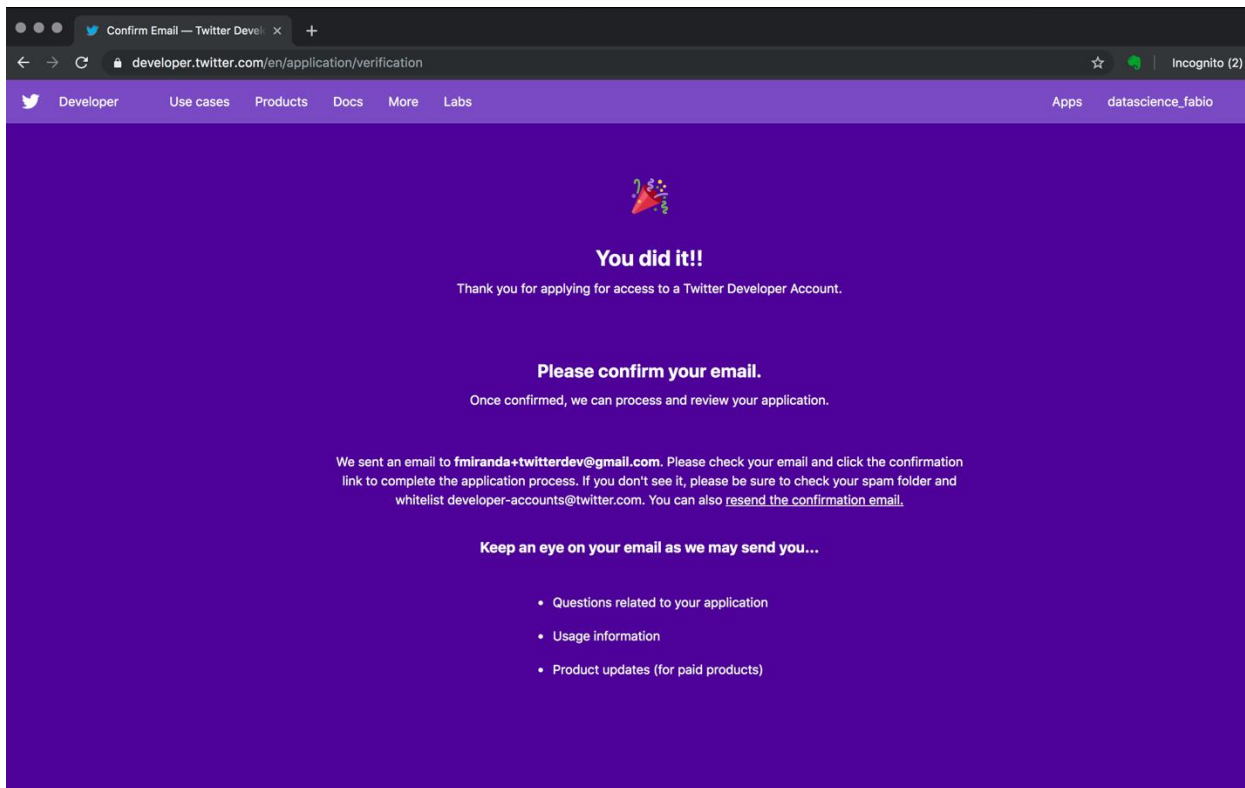


The screenshot shows the 'Review' step of the Twitter Developer application process. The page title is 'Get access to the Twitter API'. The breadcrumb trail is 'Twitter @username > Intended use > Review > Terms'. The left sidebar is a solid blue bar. The main content area is a table with two columns: 'In your words' and 'Analyze Twitter data'. The 'In your words' section contains a text input field with the following text: 'I need to complete a data science homework assignment about bayesian sentiment classification of tweets. I need the key to download a few tweets about some topics of my choice. More info here: https://github.com/raulikeda/Naive-Bayes/blob/master/Projeto02.ipynb'. The 'Analyze Twitter data' section contains a text input field with the following text: 'This is about sentiment classification. First I'll choose a product or brand, for instance "Apple". Then I'll download a reasonable amount of tweets using the API Key and the Tweepy Python API. After those tweets are downloaded, I'll need to classify them by hand into categories, for instance "Happy with Apple" and "Unhappy with Apple" Using the tweets I classified, I'll be able to then classify new tweets instantly given the conditional probabilities of the words they contain based on the two categories I described above'. Below the table, there are three rows of questions and answers: 'Tweet, Retweet or Like?' with answer 'No', 'Show Tweets or Twitter information off Twitter' with answer 'No', and 'Providing Tweets or Twitter information to government entities' with answer 'No'. At the bottom right, there are two buttons: 'Back' and 'Looks good!'.

In your words	I need to complete a data science homework assignment about bayesian sentiment classification of tweets. I need the key to download a few tweets about some topics of my choice. More info here: https://github.com/raulikeda/Naive-Bayes/blob/master/Projeto02.ipynb
Analyze Twitter data	Yes This is about sentiment classification. First I'll choose a product or brand, for instance "Apple". Then I'll download a reasonable amount of tweets using the API Key and the Tweepy Python API. After those tweets are downloaded, I'll need to classify them by hand into categories, for instance "Happy with Apple" and "Unhappy with Apple" Using the tweets I classified, I'll be able to then classify new tweets instantly given the conditional probabilities of the words they contain based on the two categories I described above
Tweet, Retweet or Like?	No
Show Tweets or Twitter information off Twitter	No
Providing Tweets or Twitter information to government entities	No

[Back](#) [Looks good!](#)

Depois você precisa encontrar o e-mail de confirmação que foi enviado a você.



The screenshot shows the 'Verification' page of the Twitter Developer application process. The page title is 'Confirm Email - Twitter Developer'. The breadcrumb trail is 'Developer > Use cases > Products > Docs > More > Labs > Apps > datascience_fablo'. The main content area has a blue background with a white text box in the center. The text box contains the following text: 'You did it!! Thank you for applying for access to a Twitter Developer Account. Please confirm your email. Once confirmed, we can process and review your application. We sent an email to fmiranda+twitterdev@gmail.com. Please check your email and click the confirmation link to complete the application process. If you don't see it, please be sure to check your spam folder and whitelist developer-accounts@twitter.com. You can also resend the confirmation email. Keep an eye on your email as we may send you...'. Below the text box, there are three bullet points: 'Questions related to your application', 'Usage information', and 'Product updates (for paid products)'.

You did it!!

Thank you for applying for access to a Twitter Developer Account.

Please confirm your email.

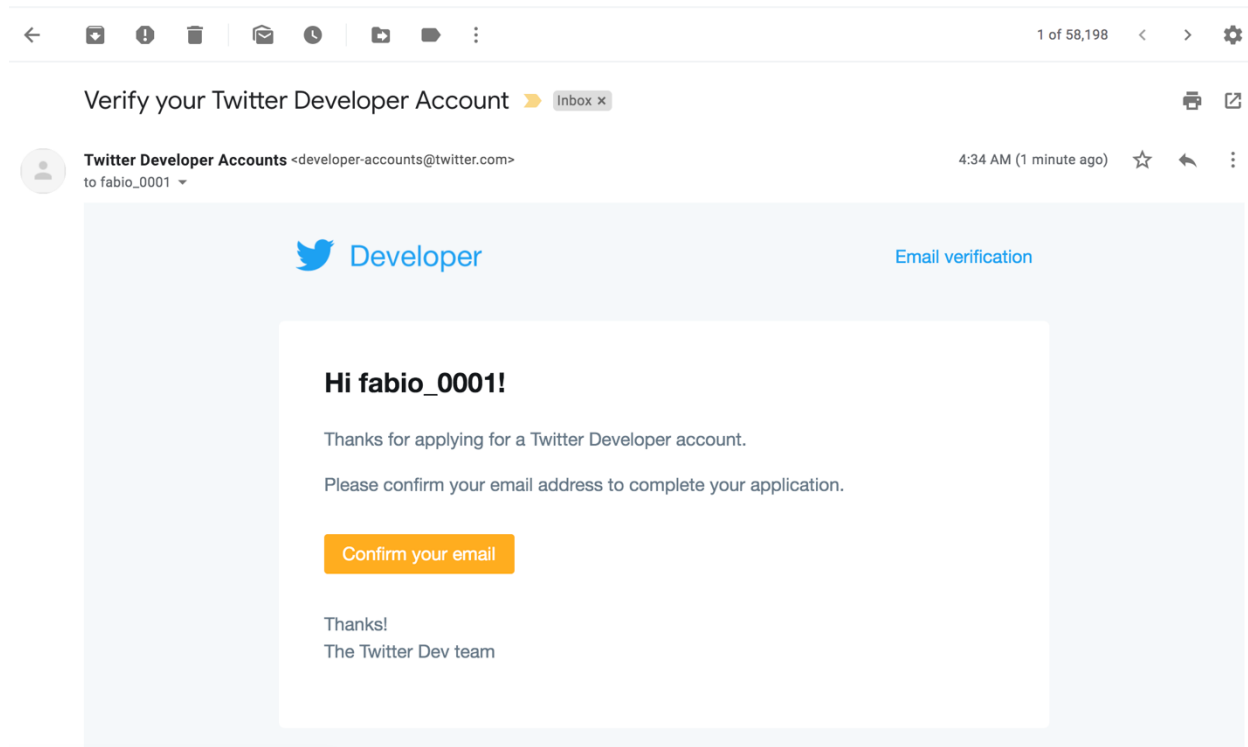
Once confirmed, we can process and review your application.

We sent an email to fmiranda+twitterdev@gmail.com. Please check your email and click the confirmation link to complete the application process. If you don't see it, please be sure to check your spam folder and whitelist developer-accounts@twitter.com. You can also [resend the confirmation email](#).

Keep an eye on your email as we may send you...

- Questions related to your application
- Usage information
- Product updates (for paid products)

Procure em sua caixa postal uma mensagem parecida com a abaixo e clique *Confirm Your Email*:



Após confirmar sua conta de desenvolvedor, crie um app

Inicie visitando a URL: <https://developer.twitter.com/en/apps> e selecionando a opção *Create an App*.

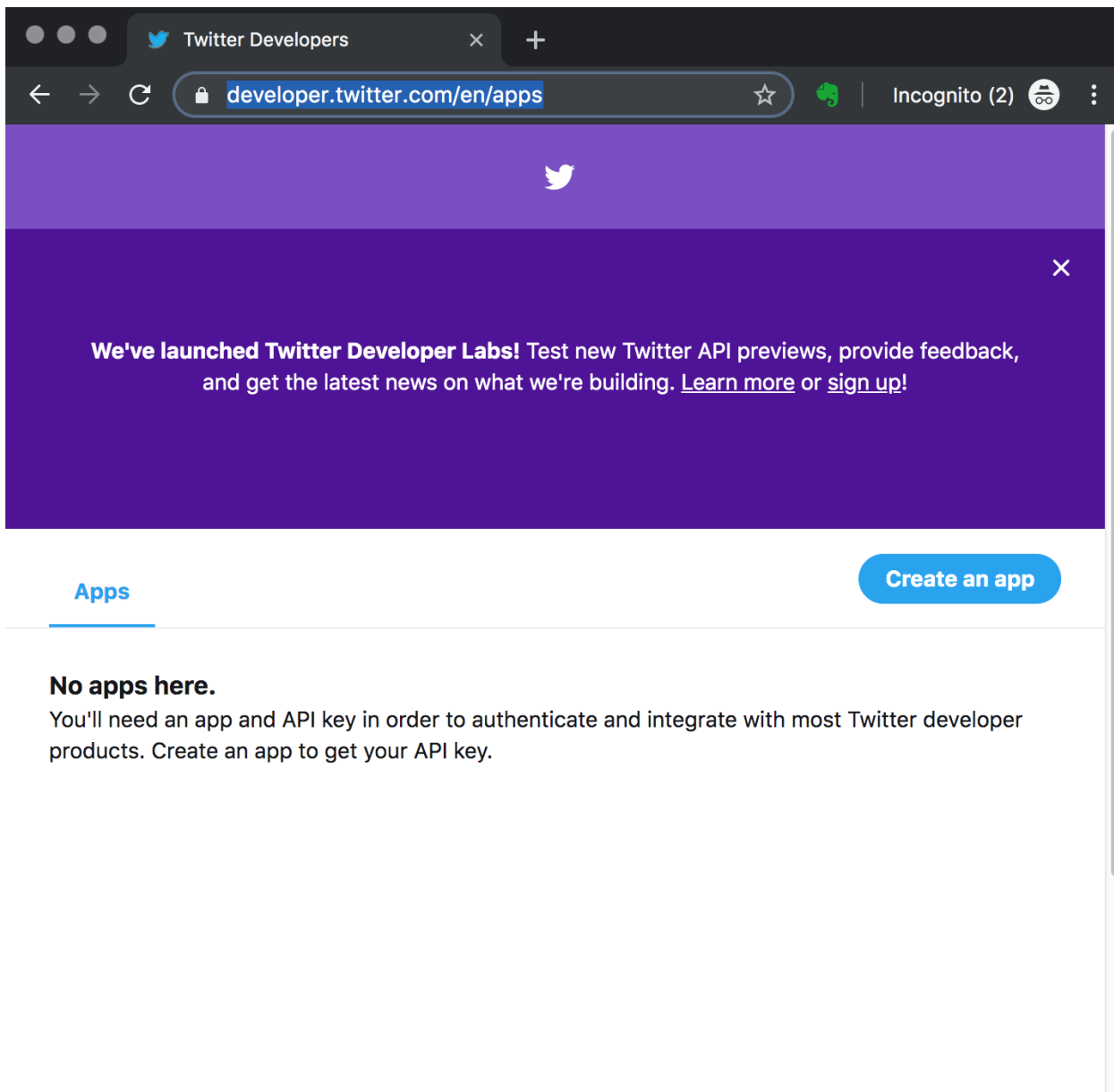


Figura 3 - Tela de criação do App

Você vai precisar preencher alguns campos:

App name:

Escolher o que quiser

Application description:

Downloads tweets related to a specific subject so that we can run an off-site bayesian sentiment analysis classification o que quiser

Website URL: Se tiver um domínio seu, fique à vontade para usar. Senão pode usar o da escola

<https://www.insper.edu.br>

Enable Sign in: **deixar vazio**

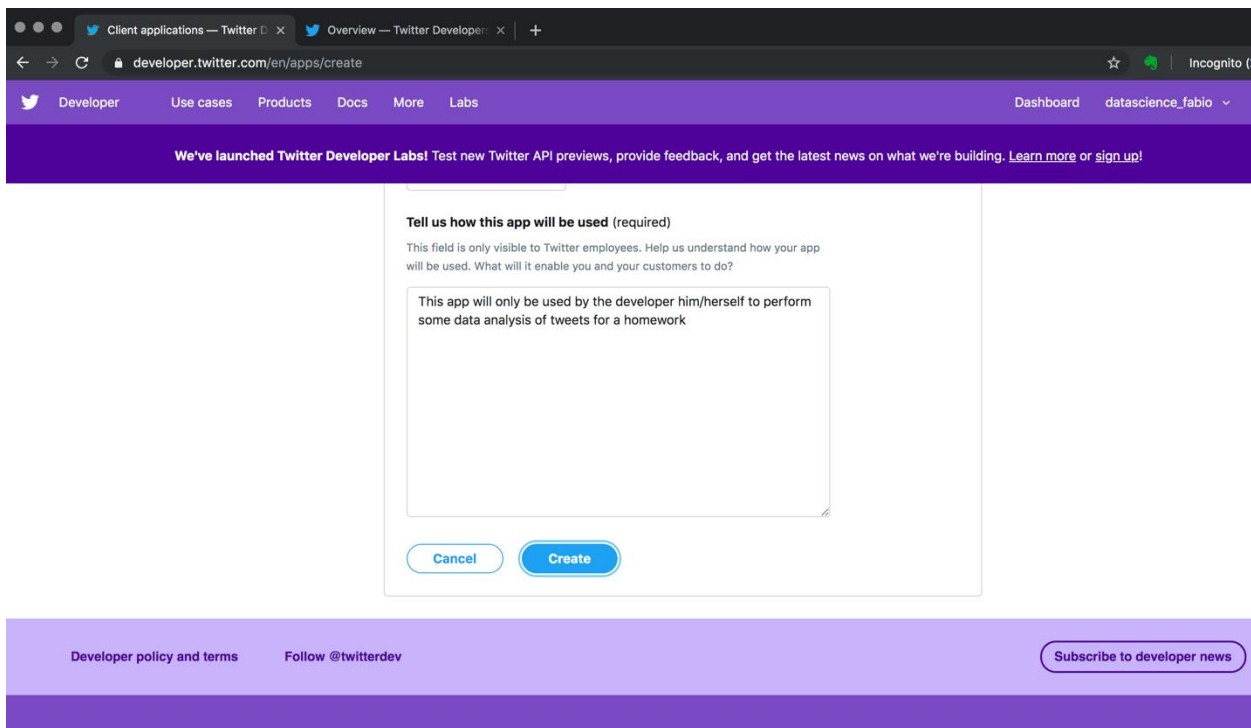


Figura 4 - Tela em que indicamos como o app vai ser usado

Tell us how this app will be used. Sugerimos algo na linha do texto abaixo:

This app will only be used by the developer him/herself to perform some data analysis of tweets for a homework

Gerar códigos de acesso

Depois visite a página do seu app em : <https://developer.twitter.com/en/apps>

Gere o *access token* e o *access token secret*

Copie o arquivo `auth.pass.template` para `auth.pass`. Anote todos os valores e coloque no arquivo `auth.pass`

JAMAIS compartilhe estes dados no Github, inclua o `auth.pass` no arquivo `.gitignore`

Pronto! Você deve ser capaz de executar o Jupyter Notebook fornecido