

# NorthIslandScriptBot – Installation & Usage Guide

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**Quick overview:** You'll set up Google Colab inside your personal Google Drive, copy the *NorthIslandScriptBot* folder there, and run the single notebook `script.ipynb`. No other files need to be edited.

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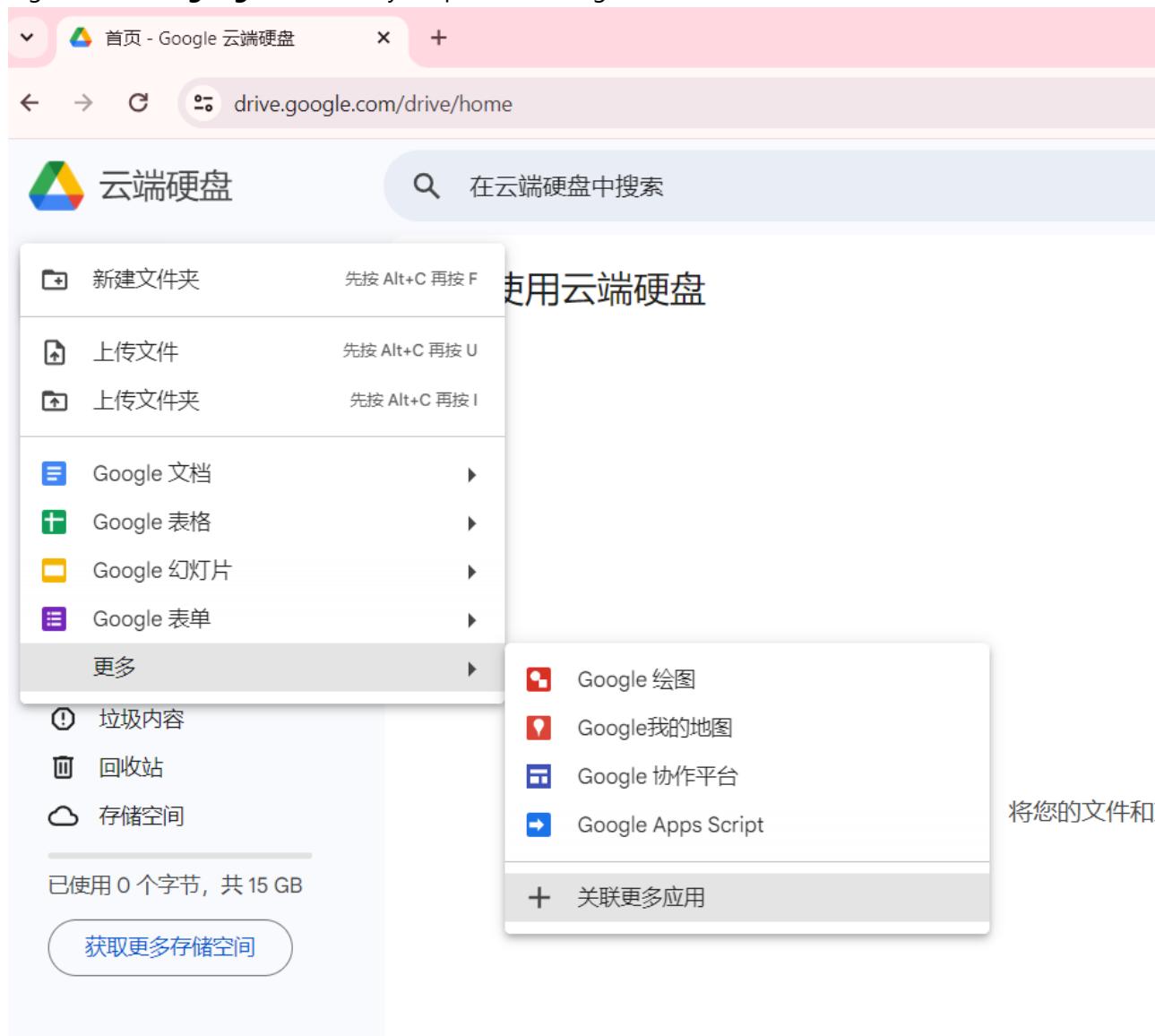
## 1 · Prerequisites

Requirement	Why you need it
<b>Personal Google account</b>	University of Washington (UW) Google accounts don't support the features we need.
<b>Google Drive</b>	Colab notebooks live in Drive.
<b>Google Colab extension</b>	Lets you open <code>.ipynb</code> files directly from Drive.

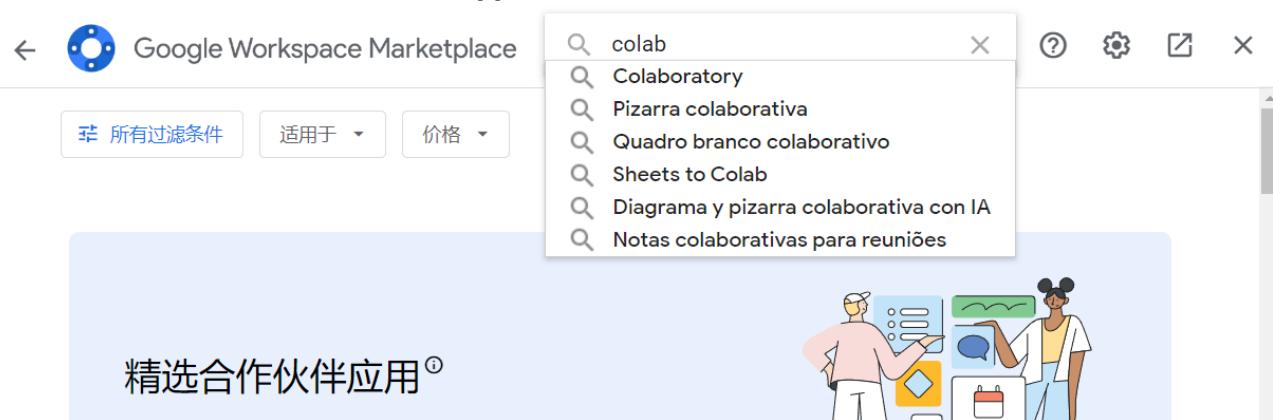
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## 2 · Enable Google Colab in Drive

1. Sign in to **drive.google.com** with your personal Google account.



2. Click **New** ▶ **More** ▶ **Connect more apps**.



### 3. Search for “Google Colaboratory” (or just “Colab”).

The screenshot shows the Google Workspace Marketplace interface. At the top, there's a search bar with the placeholder "搜索应用" (Search application) and a magnifying glass icon. Below the search bar, the title "Colaboratory" is displayed next to a large orange "CO" logo. To the right of the title is a blue "安装" (Install) button. A descriptive text block states: "This allows Google Colaboratory to open and create files in Google Drive. It is automatically installed on first use; un/installing this will not prevent access to Colaboratory." Below this, it says "开发者: Colaboratory team" and "应用详情更新日期: 2024年5月24日". Further down, under "适用于:", there's a small Google Drive icon. To the right, there are star ratings and a download count: "★★★★★ 3,689" and "7242万+".

### 4. Click **Install / Connect** and accept the requested permissions.

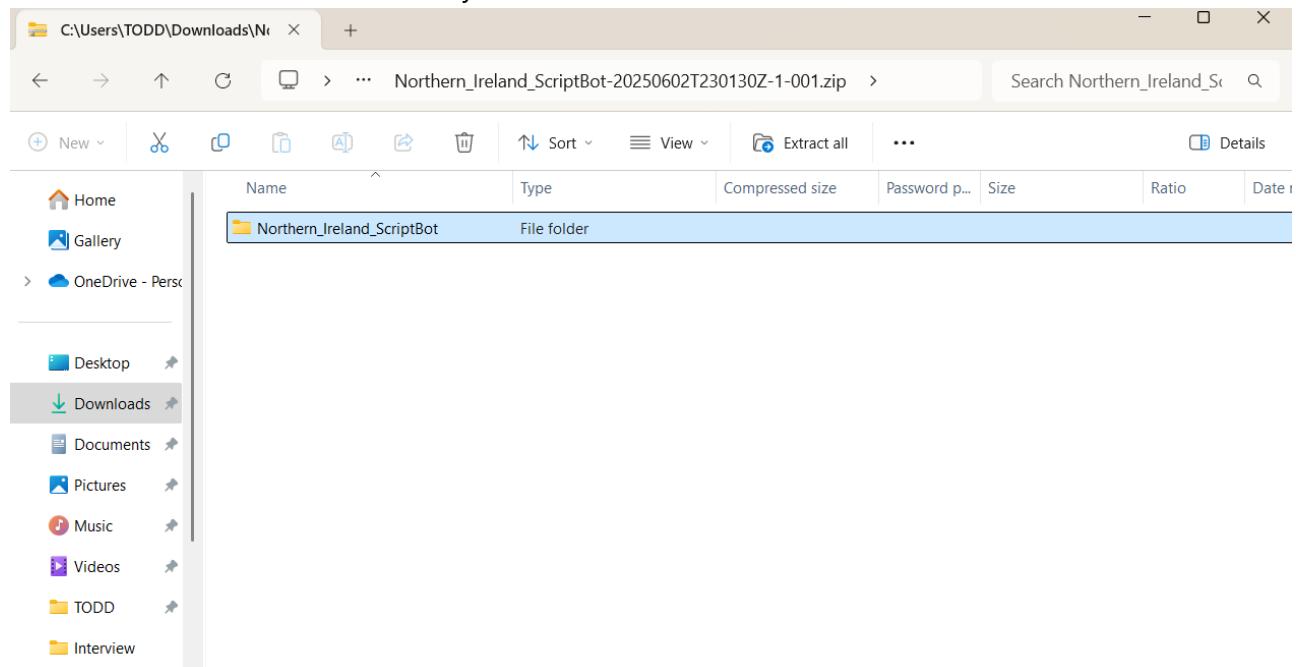
Once installed, you'll be able to double-click any notebook (`.ipynb`) in Drive and open it in Colab.

## 3 · Download the project folder

### 1. Follow the download link provided:

[https://drive.google.com/drive/folders/1TTP31qN3EwCPLQf5nSjaTR7LP6RRFlbI?usp=drive\\_link](https://drive.google.com/drive/folders/1TTP31qN3EwCPLQf5nSjaTR7LP6RRFlbI?usp=drive_link).

### 2. Download the shared **ZIP** archive to your local machine.



### 3. Extract (unzip) it – you should get a folder named **NorthIslandScriptBot/**.

## 4 · Upload the project to your Drive

### 1. In Drive, click **New > Folder upload** ( $\Delta$ don't choose *File upload*).

2. Select the **NorthIslandScriptBot/** folder you just extracted.



3. Wait for the upload to finish – the folder (with sub-folders & files) should now appear in Drive.

## 5 · Run the chatbot notebook

1. Open **NorthIslandScriptBot/** in Drive.
2. Locate **ScriptBot.ipynb** – this is **the only file you'll interact with**.
3. Double-click the notebook; it will launch in Colab.
4. Follow the in-notebook instructions to start chatting with the bot.

## 6 · Working Inside **script.ipynb**

Once the notebook opens in Colab, follow this rhythm every time you use it:

Step	What to click	Why it matters
<b>1 · Mount Drive</b>	Run <b>Cell #1</b> (click the ► button in its top-left corner).	Grants the notebook permission to read the data inside the <b>NorthIslandScriptBot/</b> folder. Colab may pop up an authorization prompt—just accept it.
<b>2 · Install dependencies</b>	Run <b>Cell #2</b> .	Installs any Python libraries the bot needs. (Done once per Colab session.)
<b>3 · Set the workspace</b>	Run <b>Cell #3</b> .	Points the code to the correct project directory.
<b>4 · Customize the chatbot</b>	In <b>Cell #4</b> you'll see an " <b>EDIT HERE</b> " block. Only this block is meant to be modified.	<ul style="list-style-type: none"> <li>- <b>URLS_FILE_1 / FILES_DIR_1</b> and <b>URLS_FILE_2 / FILES_DIR_2</b> – two “groups” of URLs / text files you want the bot to analyze.</li> <li>- <b>question</b> – your prompt to the chatbot.</li> <li>- <b>MAX_CHARS_PER_SITE/FILE</b> – how many characters to fetch from each URL/file (default 8000).</li> <li>- <b>model</b> – choose among "gpt-4o", "gpt-4o-mini", etc.</li> <li>- <b>api_key</b> – paste your OpenAI key as a string.</li> </ul>

**Remember:** after *any* edit, click the ► for that cell again so Colab re-runs it.

## Step 1

```
▶ from google.colab import drive  
drive.mount('/content/drive')
```

→ Mounted at /content/drive

## Step 2 & 3

```
[2] # Colab's magic installs into the same interpreter you're running  
%pip install -q requests beautifulsoup4 openai
```

```
[3] cd /content/drive/MyDrive/Northern_Ireland_ScriptBot
```

→ /content/drive/MyDrive/Northern\_Ireland\_ScriptBot

## Step 4

```
# _____ edit here _____  
# Group-1 sources  
URLS_FILE_1 : str = "urls1.txt"  
FILES_DIR_1 : str = "texts1"  
# Group-2 sources  
URLS_FILE_2 : str = "urls2.txt"  
FILES_DIR_2 : str = "texts2"  
# Question you want ChatGPT to answer  
QUESTION: str = "Compare the two source groups - how do they differ and where do they overlap? Or they are just same?"  
# OpenAI  
API_KEY : str = "REDACTED" # Your OpenAI API key  
MODEL : str = "text-davinci-003" # Model ID for GPT-3.5  
# Limits  
MAX_CHARS_PER_SITE = 8_000  
MAX_CHARS_PER_FILE = 8_000  
# _____
```

## Optional tweaks

- **Changing the model** – list the available options by running the helper cell that prints them; then update the `model` variable.
- **Raising `max_chars_per_site`** – increases context size but also latency and token cost.
- **Adding more groups** – duplicate the pattern (`URLS_FILE_3`, `FILES_DIR_3`, ...) and adjust the downstream code if you need multi-way comparisons.

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That's it—run the final cell to chat, iterate as needed, and enjoy your streamlined workflow. ↗