

Introduction to Google Colaboratory (Colab)

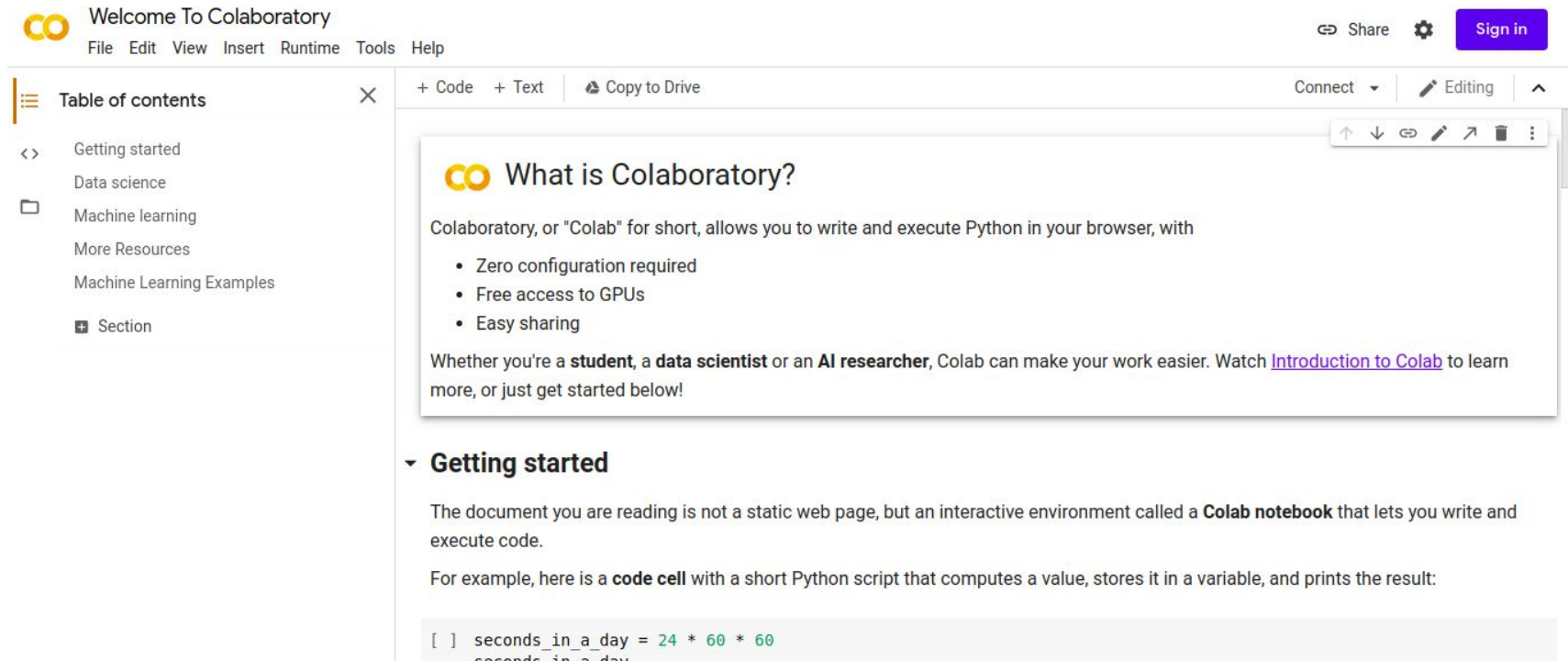


Objectives

In this introduction, you will learn how to;

1. Create a Google Colab notebook.
2. Use a Google Colaboratory notebook.

Go to <https://colab.research.google.com/>



The screenshot displays the Google Colaboratory (Colab) web interface. At the top, there is a navigation bar with the Colab logo, the text 'Welcome To Colaboratory', and a menu with options: File, Edit, View, Insert, Runtime, Tools, and Help. On the right side of the navigation bar, there are links for 'Share', a settings gear icon, and a 'Sign in' button.

Below the navigation bar, a sidebar on the left contains a 'Table of contents' section with a list of links: '<>', 'Getting started', 'Data science', 'Machine learning', 'More Resources', 'Machine Learning Examples', and 'Section'. The main content area is titled 'What is Colaboratory?' and features the Colab logo. The text explains that Colaboratory, or 'Colab' for short, allows users to write and execute Python in their browser, with the following bullet points:

- Zero configuration required
- Free access to GPUs
- Easy sharing

Below the bullet points, the text states: 'Whether you're a **student**, a **data scientist** or an **AI researcher**, Colab can make your work easier. Watch [Introduction to Colab](#) to learn more, or just get started below!'

The 'Getting started' section is expanded, showing the text: 'The document you are reading is not a static web page, but an interactive environment called a **Colab notebook** that lets you write and execute code.'

Below this, the text says: 'For example, here is a **code cell** with a short Python script that computes a value, stores it in a variable, and prints the result:'

A code cell is shown with the following Python code:

```
[ ] seconds_in_a_day = 24 * 60 * 60
seconds_in_a_day
```

Create a Gmail Account to use

1. Go to <https://www.google.com/gmail/>, Click on the create account button and follow the prompts.



Create an account

Using a Google Account, sign into Colab

1. Go to <https://colab.research.google.com/>, and sign in with your Google account.
2. Click on the 'NEW NOTEBOOK' button to create a new notebook.



NEW NOTEBOOK

CANCEL

Using Colab Notebooks

1. The Colab Home Page is an easy to use and comprehensive tutorial on how to use Colab.
2. Follow <https://colab.research.google.com/notebooks/intro.ipynb> to get started.