

Cocalc & SageMath

- SageMathを利用するため、Cocalc でアカウントを作成する
- <https://cocalc.com/>

[Store](#)[Features](#)[Docs](#)[Share](#)[Support](#)[News](#)[Sign Up](#)[Sign In](#)[Contact](#)

🔍 2023-08-21 [Concerns about GPT-4 Fees for Students](#) [chatgpt](#) [cost](#) [All news...](#)

Mission and Features of CoCalc



Collaborative Calculation and Data Science

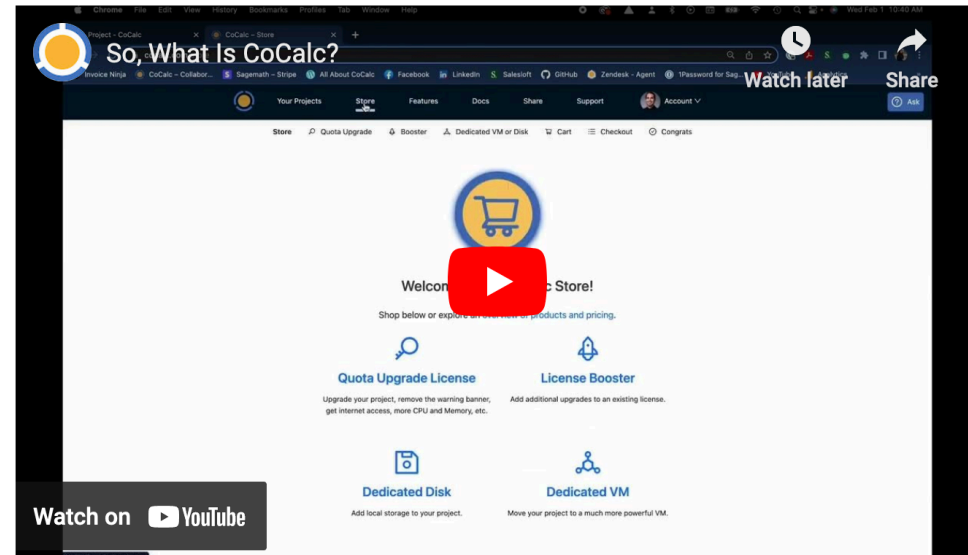
by Sagemath, Inc.

Sing Up

初めてアカウントを作成する

Sign Up

Sign In



🔍 Improve your research, teaching, and publishing using realtime collaborative Jupyter notebooks, LaTeX, Markdown, and Linux.

[Store](#)[Features](#)[Docs](#)[Share](#)[Support](#)[News](#)[Sign Up](#)[Sign In](#)[Contact](#)

Create a CoCalc Account

Sign up for free and get started with CoCalc today!

SageMathを選ぶ

☒ I agree to the [Terms of Service](#).

Select at least 1

☒ Jupyter ☐ Python ☐ R Stats ☒ SageMath ☐ Octave ☐ Linux ☐ LaTeX
☐ C/C++ ☐ Julia ☐ Markdown ☐ Whiteboard ☐ Teaching ☐ Chat ☐ Everything!

Sign up using either your email address or a single sign-on provider.



Institutional Single Sign-On:



Email address

How will you sign in?

メールやその他の情
報を記入する

Already have an account? [Sign In](#)



[Store](#)[Features](#)[Docs](#)[Share](#)[Support](#)[News](#)[Sign Up](#)[Sign In](#)[Contact](#)

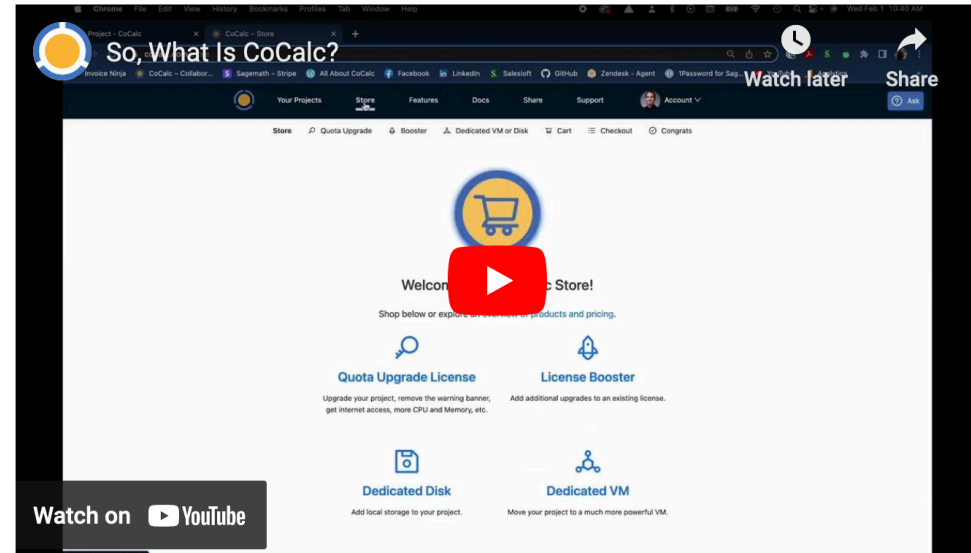
🔍 2023-08-21 [Concerns about GPT-4 Fees for Students](#) [chatgpt](#) [cost](#) [All news...](#)

Mission and Features of CoCalc



Collaborative Calculation and Data Science

by Sagemath, Inc.

[Sign Up](#)[Sign In](#)

Sing In

すでにアカウントをお持ちの場合

🔍 Improve your research, teaching, and publishing using realtime collaborative Jupyter notebooks, LaTeX, Markdown, and Linux.

[Store](#)[Features](#)[Docs](#)[Share](#)[Support](#)[News](#)[Sign Up](#)[Sign In](#)[? Contact](#)[Sign In](#) [Password Reset](#)

Sign In to CoCalc

Sign in using your email address or a single sign-on provider.



Institutional Single Sign-On:



Password



New to CoCalc? [Sign Up](#)

CoCalc – [About](#) – [Sagemath, Inc.](#) – [Contact](#) – [Policies](#) – [Products and Pricing](#) – [Software](#) – [Status](#)



[Your Projects](#)[Store](#)[Features](#)[Docs](#)[Share](#)[Support](#)[News](#)[Account ▼](#)[Contact](#)

🔍 2023-08-21 [Concerns about GPT-4 Fees for Students](#) [chatgpt](#) [cost](#) [All news...](#)

Signed in as **Hernan Aguirre**

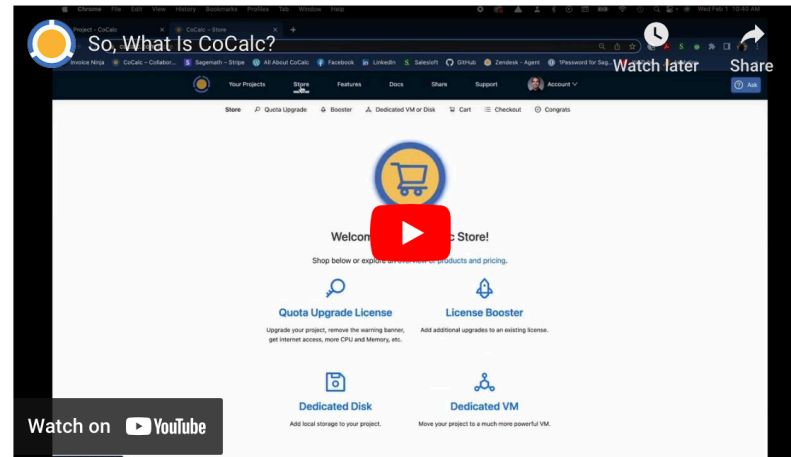
[Store](#) [Licenses](#) [Purchases](#) [Vouchers](#) [Projects](#) [Features](#) [Software](#) [Pricing](#) [Config](#) [Share](#) [Support](#) [Docs](#)

Mission and Features of CoCalc



Collaborative Calculation and Data Science

by Sagemath, Inc.



自分のプロジェクトへ

Your CoCalc projects...

🔗 Improve your research, teaching, and publishing using realtime collaborative Jupyter notebooks, LaTeX, Markdown, and Linux.

Mission: Enable better collaboration in science, engineering and mathematics by providing easily accessible and sustainable tools for computing, teaching, and publishing.

• プロジェクトを作成

Projects

☐ Deleted

☐ Hidden

Search for projects (use /re/ for regexp)...



⊕ Create Project...

ISPL Labs

less than a minute ago



🔄 Running

sage_01

less than a minute ago



🔄 Running

Untitled Project

2 days ago



■ Stopped

Show all projects...

 Tour

Projects

☐ Deleted

☐ Hidden

Search for projects (use /re/ for regexp)...



+ Create Project...

* Project Title:

A [project](#) is an isolated private computational workspace that you can share with others. You can easily change the project's title at any time in project settings.

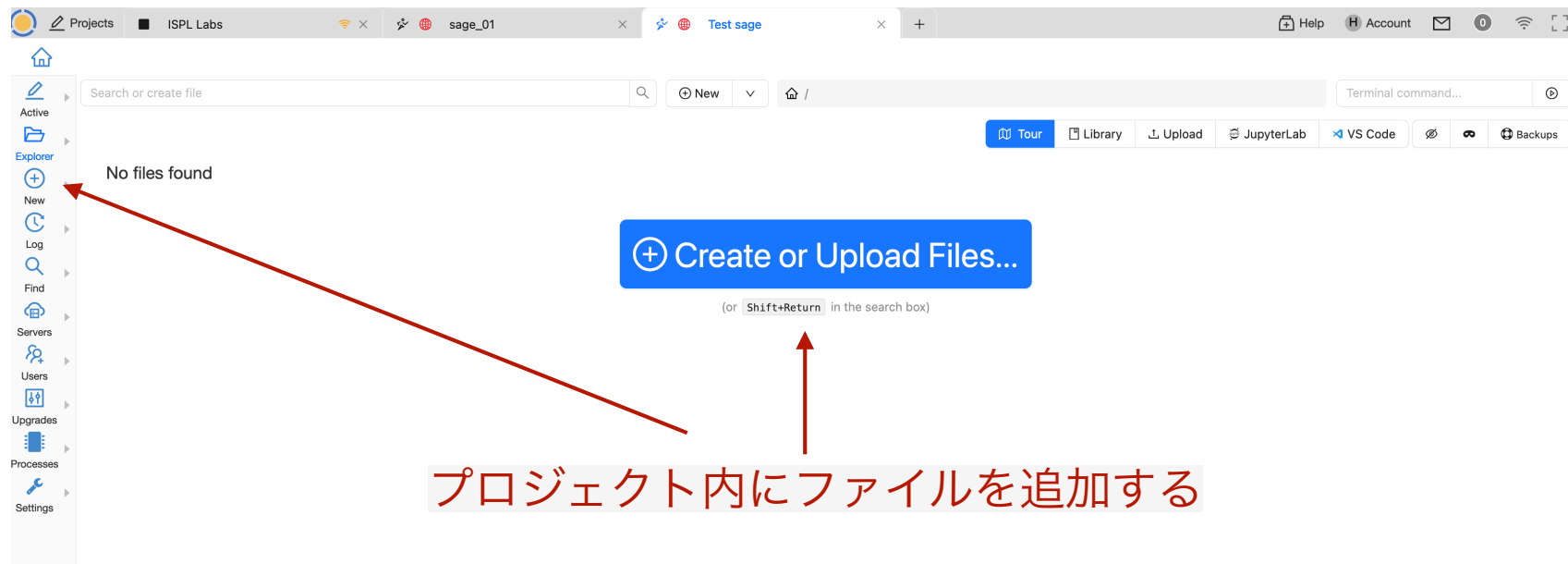
+ [Customize the software environment...](#)

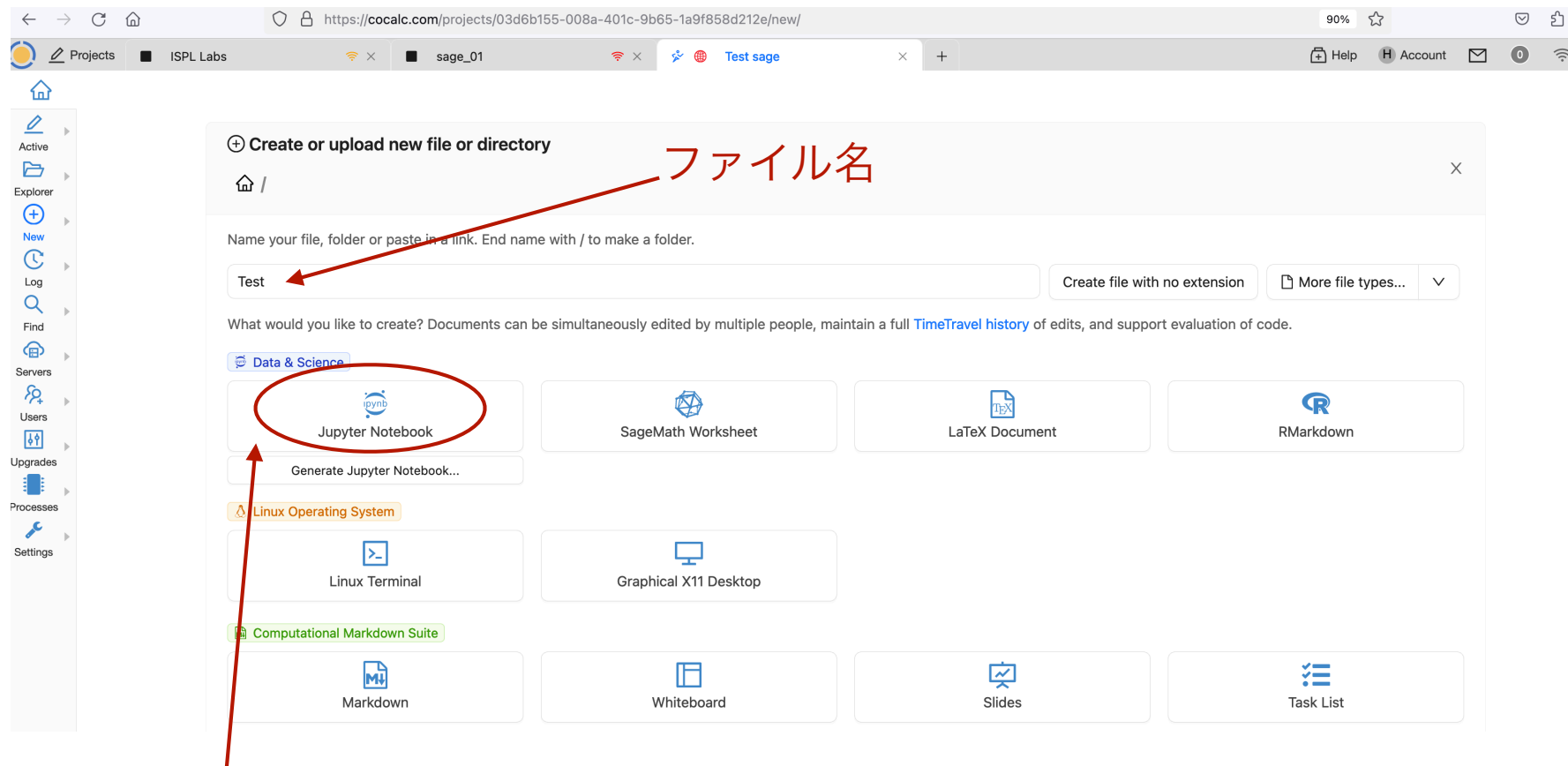
+ [Add a license key...](#)

Cancel

Create Project

プロジェクト名





「Jupyter ノートブック」を選択する

Test.ipynb

Publis

Notebook (default)SaveTimeTravelChatGPT...ActionsZoom-+RunStopTabCodeFormatValidate

FileEditViewInsertCellKernelHelp

ActiveExplorerNewLogFindServersUsersJpgradesProcessesSettings

Select a Kernel

This notebook has no kernel. A working kernel is required in order to evaluate the code in the notebook. Please select one for the programming language you want to work with. Otherwise continue without a kernel.

Quick select

Your most recently selected kernel Python 3 (system-wide)

Make default

☐ Do not ask again. Instead, default to your most recent selection.
You can always change the kernel by clicking on the kernel selector at the top right.

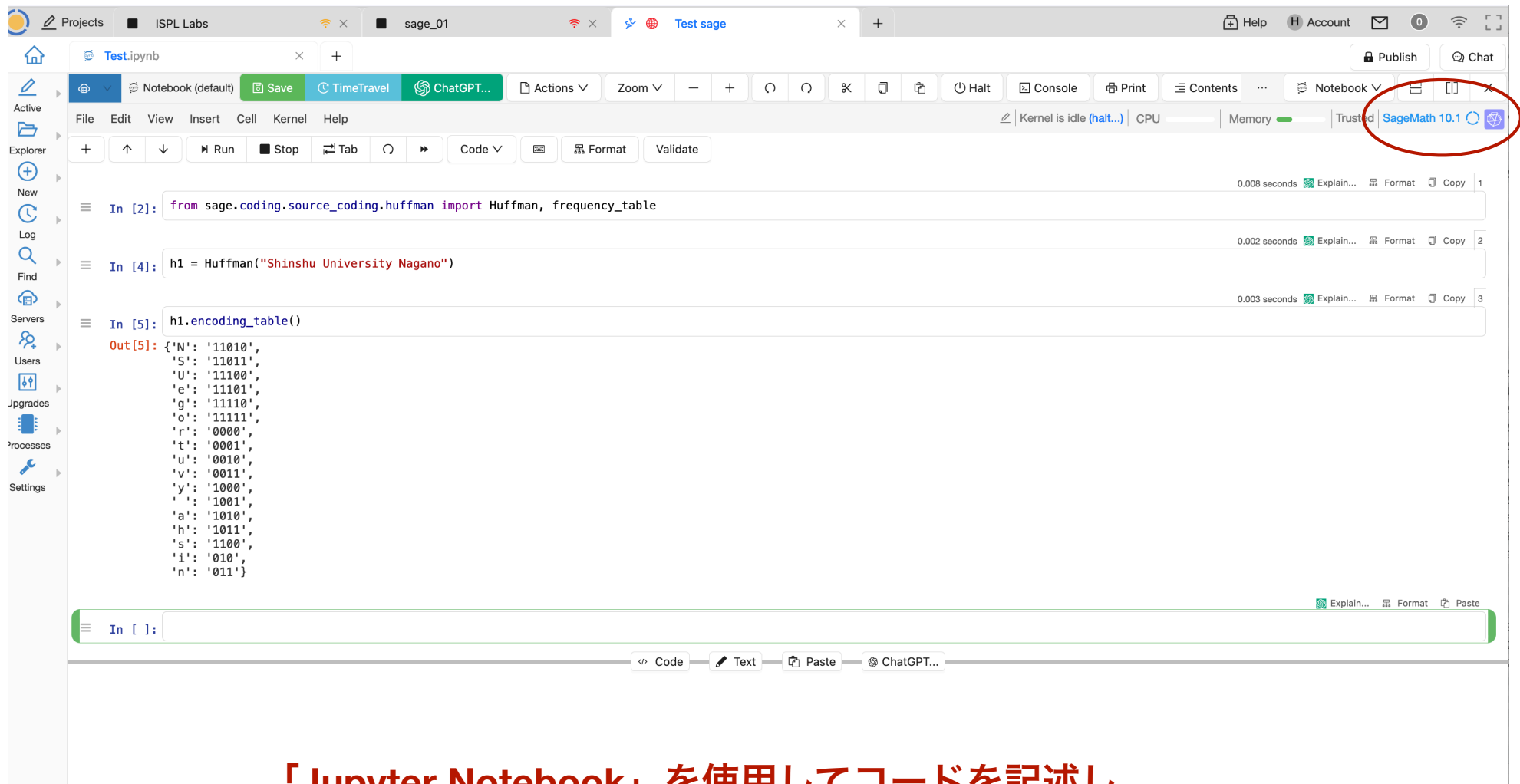
Suggested kernels

Python 3 (system-wide)	Python 3 programming language
Octave 8.2	A programming language for scientific computing.
R (system-wide)	R statistical programming language
SageMath 10.1	Open-source mathematical software system

All kernels by language

Bash	Bash (Linux)
C++11	C++11

「SageMath」を選択する



「Jupyter Notebook」を使用してコードを記述し、
SageMath カーネル上でプログラムを実行する

The screenshot shows the SageMath web interface. The top navigation bar includes tabs for 'Projects', 'ISPL Labs', 'sage_01', and 'Test sage'. The left sidebar contains icons for 'Active', 'Explorer', 'New', 'Log', 'Find', 'Servers', 'Users', 'Upgrades', 'Processes', and 'Settings'. The 'Explorer' view is active, displaying a search bar, a 'Check All' checkbox, and a file list with one item: 'Test.ipynb'. Two red arrows point from the Japanese text to the 'Explorer' and 'New' buttons in the sidebar.

Projects ISPL Labs sage_01 Test sage

Test.ipynb

Search or create file

☐ Check All

1 item — Click checkbox to the left of a file to copy, download, etc.

	Type	Name
<input type="checkbox"/>	Test.ipynb	Test.ipynb

- 「Explorer」を押すと、プロジェクト内のすべてのファイルをリストする。
- 別のファイルを追加するには、「New」を押す（プラス記号）