

AI assistant for Jupyter notebooks

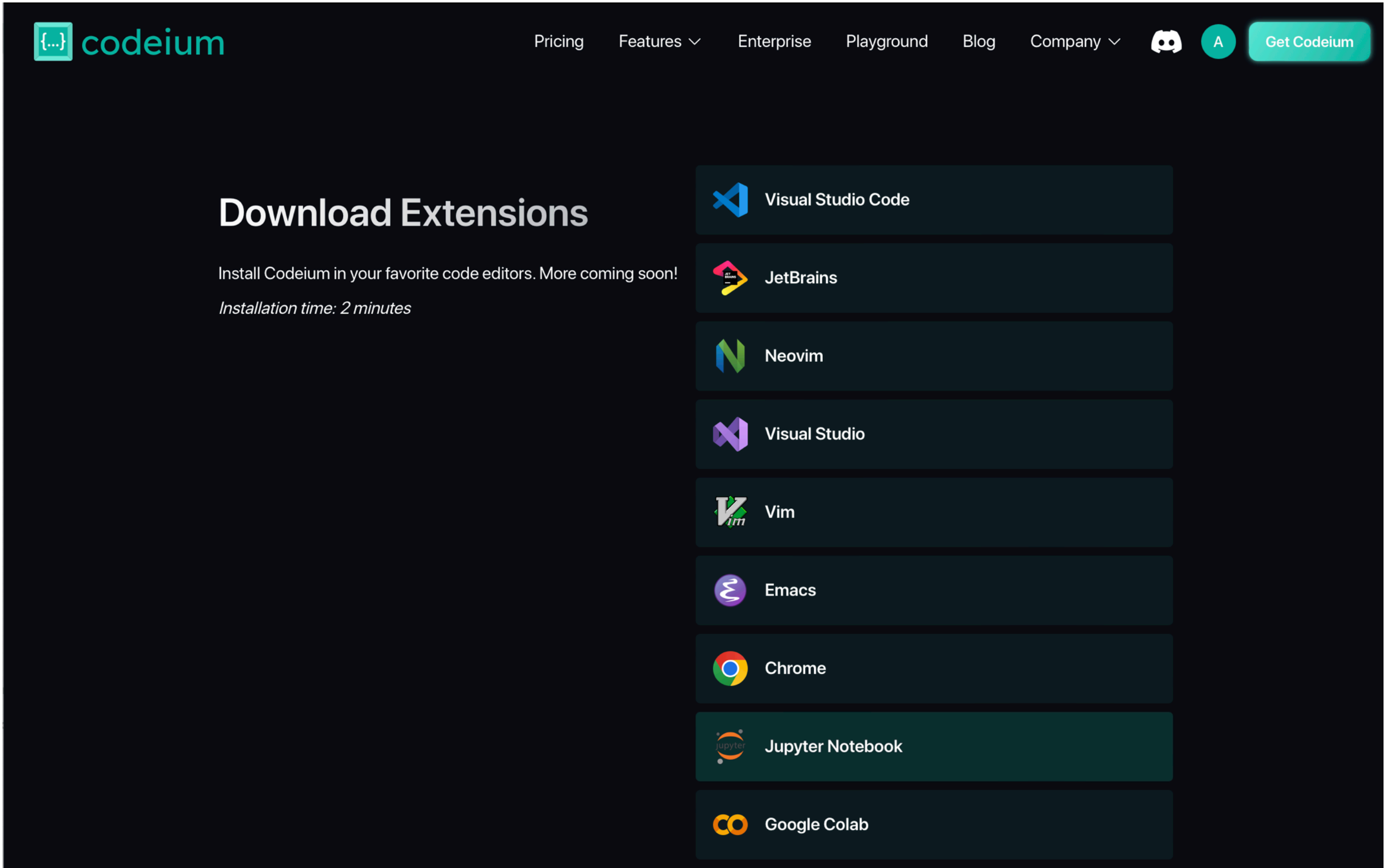
Dear students,

I noticed that the installation of AI assistant tools onto your laptops did not go smoothly, and that many of you prefer using Jupyter notebooks. Here is a guide for installing AI coding assistant that works inside Jupyter notebooks - both local and on CSC.

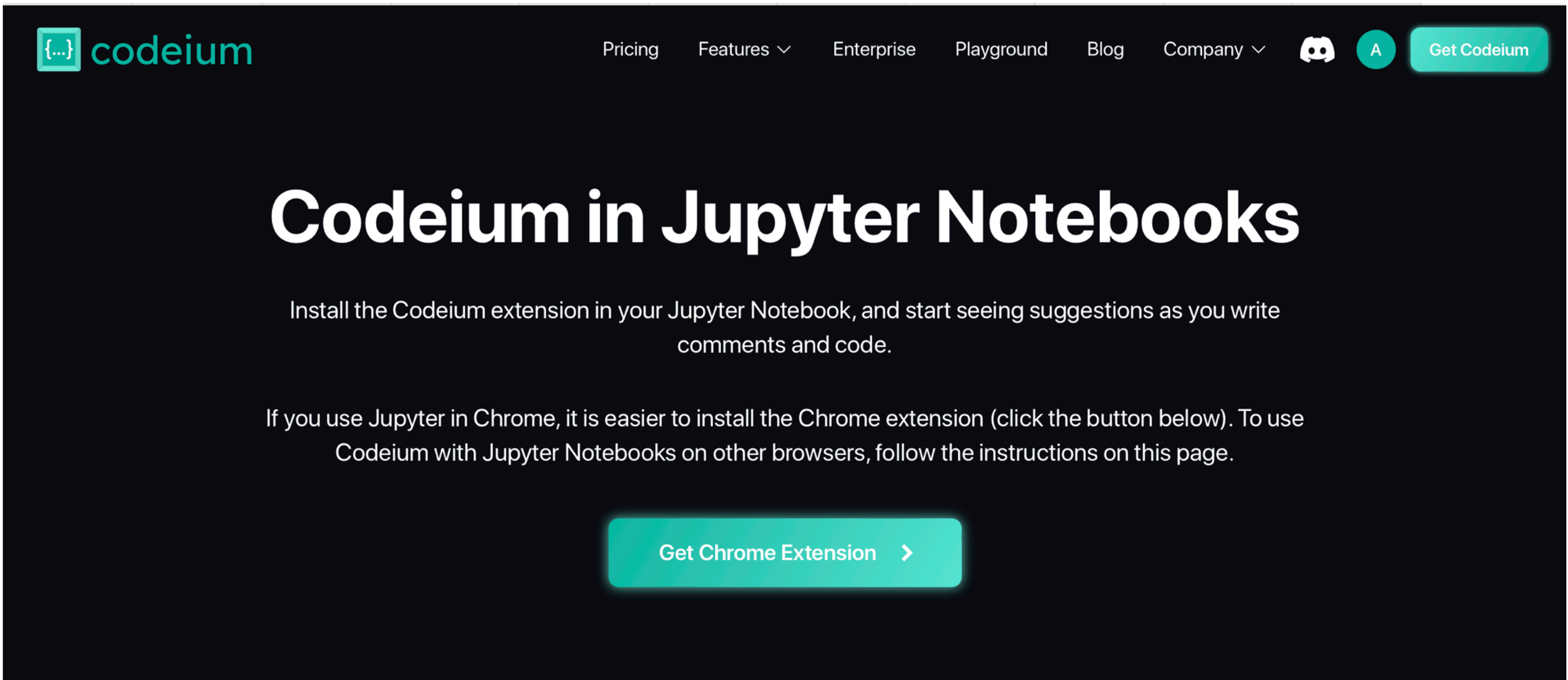
Installation

The tool is called Codeium. They offer a free assistant with a more basic model.

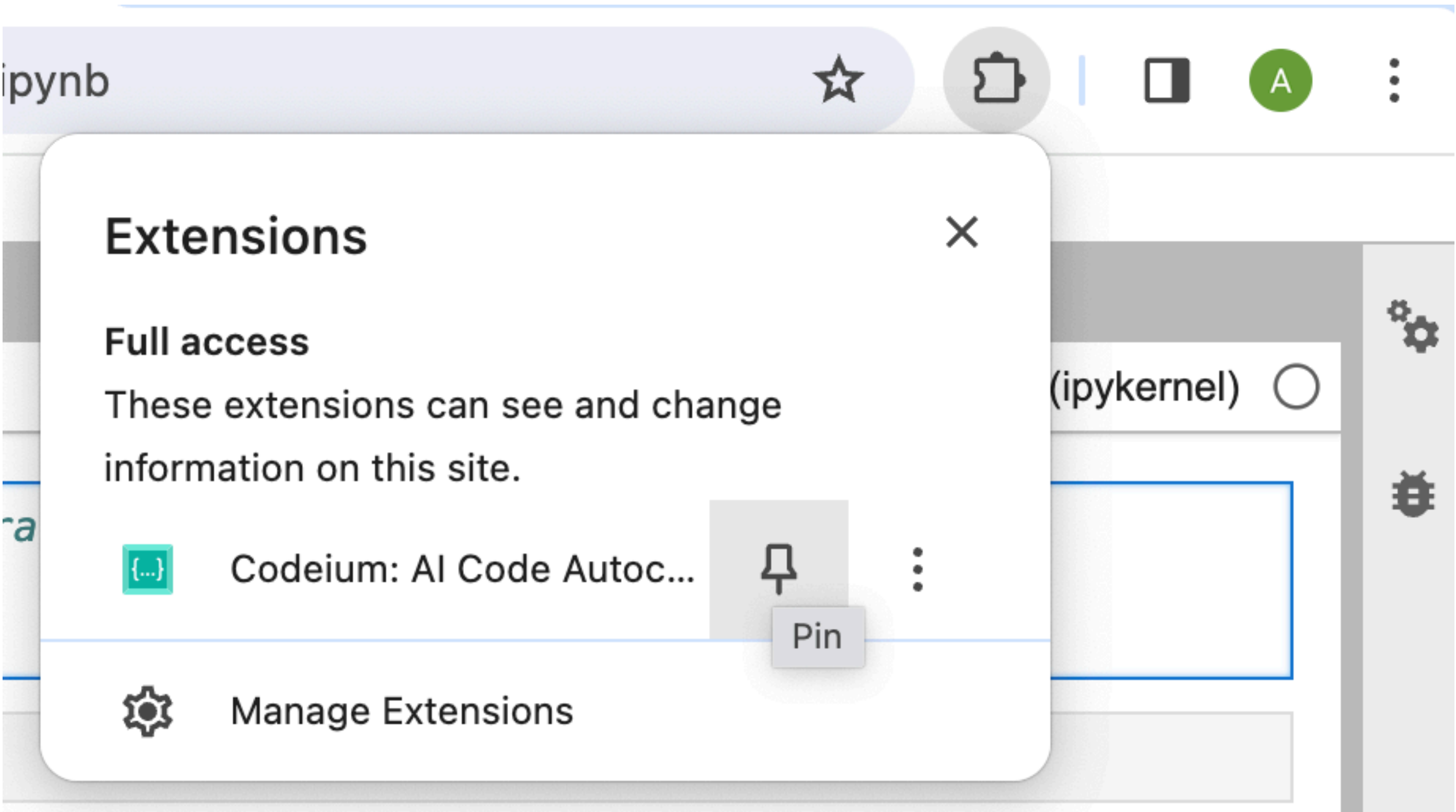
1. Open **Chrome** browser. You need Chrome to install a browser extension for this AI assistant.
2. Go to <https://codeium.com/download> and login / create a new account.
3. Find "Jupyter Notebook" in download extensions



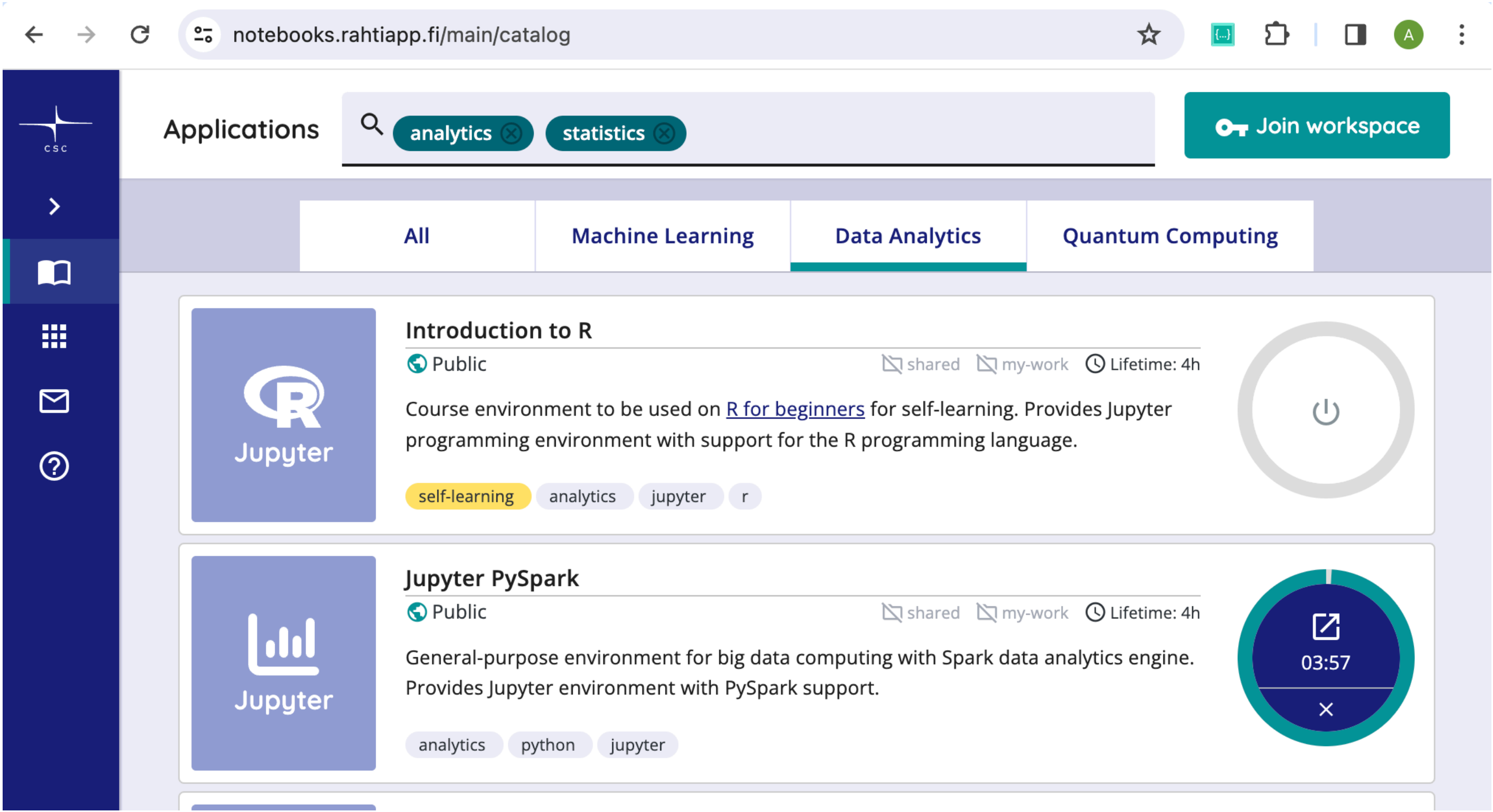
4. Click "Get Chrome extension" and install the browser extension. Don't try to install Jupyter Lab libraries because they will not work.



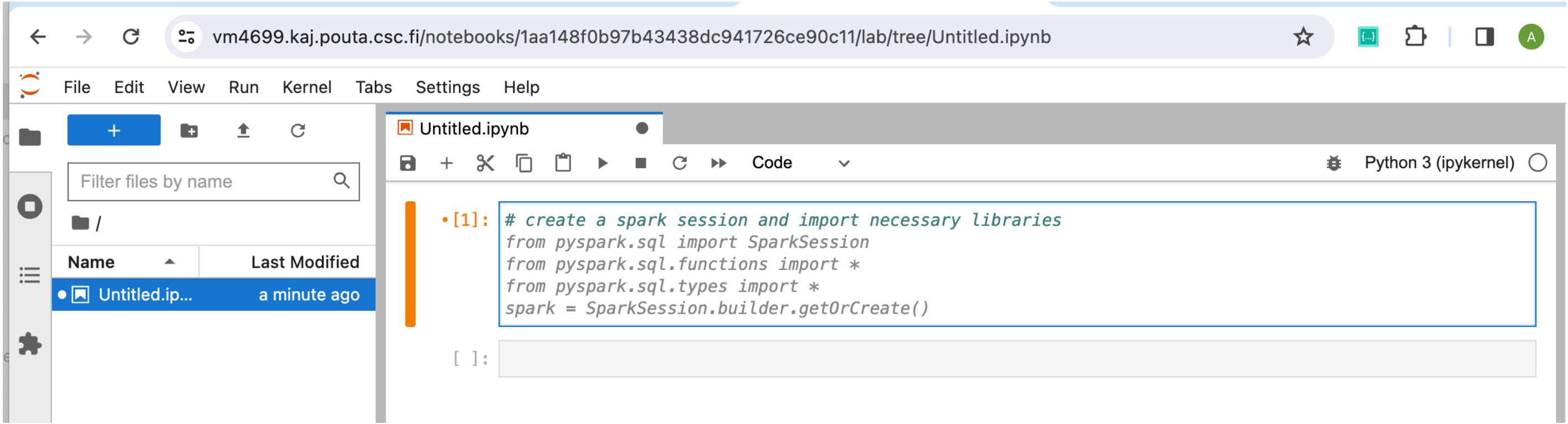
5. Pin Codeium extension to browser bar



6. Now you can test it! Go to CSC Rahti notebooks,

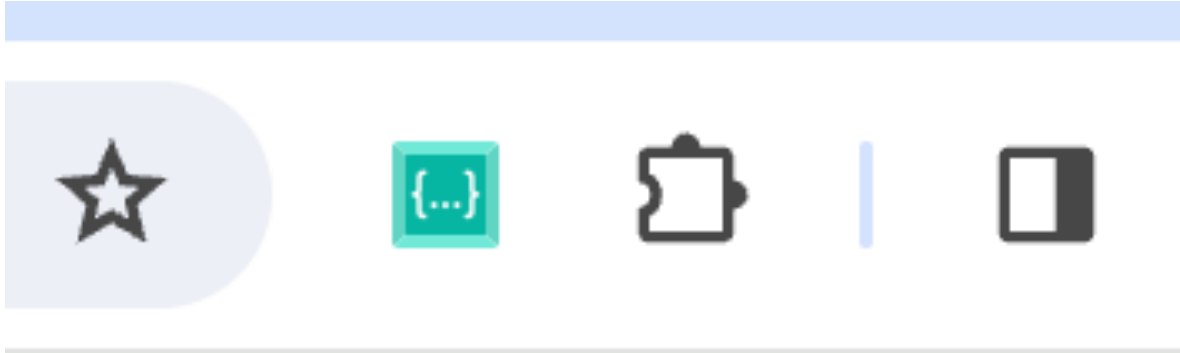


start a Jupyter PySpark notebook, then type a comment or start typing text - you should see the code suggestion.



Click "TAB" to accept suggestions.

7. Codeium will work with local Jupyter notebooks. Check the icon color - it should be green.



8. If the Codeium icon is red, put a mouse over it to see what is wrong.

It needs Jupyter **Lab** (not Jupyter Notebook), and the version of Jupyter Lab should be 3. Latest Jupyter Lab is version 4 and it won't work. Install version 3 with this command in terminal (or select specific version in graphical tool that you use)

```
pip install "jupyterlab<4,>=3"
```