

CS 1010

Getting Started with DeepNote

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Photo: Kartik Bulusu

What is DeepNote?

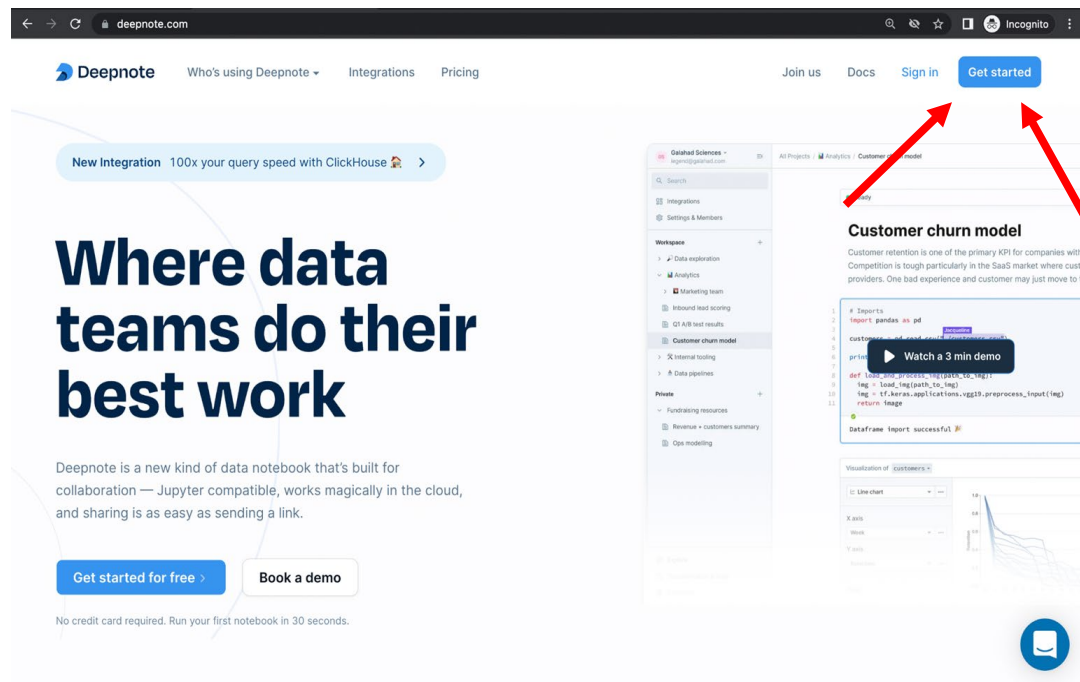
- DeepNote is a cloud-based collaboration platform for Python code that utilizes .ipynb (iPython Notebook) files like those used in Jupyter Hub
- It is designed specifically for data science applications. Optimized for pandas dataframes
- Allows for commenting (similar to Google Docs)
- Allows for built in Table of Contents and collapsable sections
- Version history available to view



Figure 1. DeepNote logo courtesy of <https://github.com/deepnote>

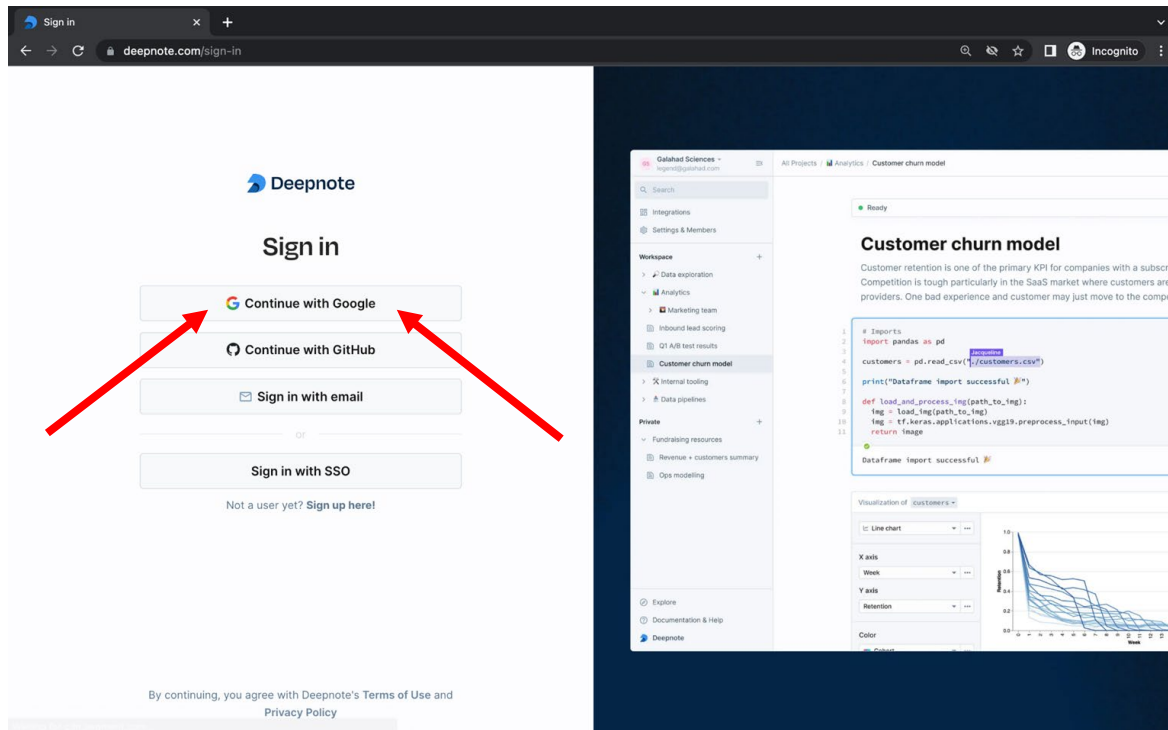
1. Accessing DeepNote?

- First visit
<https://deepnote.com/>
- Next login or Sign up using the top right buttons



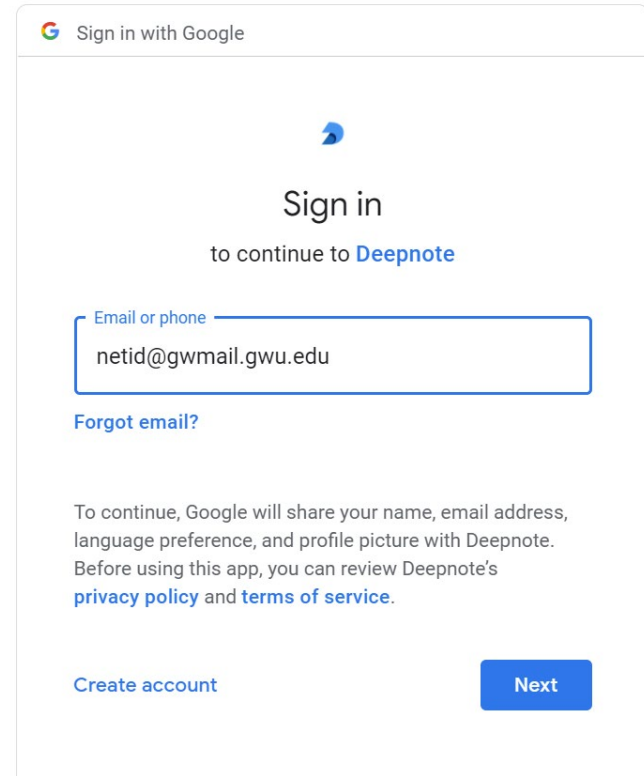
2. Sign in for Deepnote

- Choose Google sign up method and proceed further



3. Utilize your educational status

- Then fill your gwu email in the format:
netid@gwmail.gwu.edu
- This may require you to perform 2-step authentication, follow the normal methods for your GW account



The screenshot shows a Google sign-in page. At the top, it says "Sign in with Google" with the Google logo. Below that is a blue circular icon. The text "Sign in" is centered, followed by "to continue to Deepnote". There is a text input field labeled "Email or phone" containing the text "netid@gwmail.gwu.edu". Below the input field is a link "Forgot email?". At the bottom, there is a link "Create account" and a blue button labeled "Next".

Sign in with Google

Sign in
to continue to Deepnote

Email or phone

[Forgot email?](#)

To continue, Google will share your name, email address, language preference, and profile picture with Deepnote. Before using this app, you can review Deepnote's [privacy policy](#) and [terms of service](#).

[Create account](#) [Next](#)

4. Connect to your group's project!

- We will send you a hyperlink via email once groups are assigned!
- Join the workspace via the link then click this button to see all of the files we've made available!

The screenshot displays the Deepnote workspace interface. At the top left, the user profile 'Lubomir Kovarik' with email 'lubo@deepnote.com' is shown. A red arrow labeled '1.' points to this profile. Below the profile, a sidebar lists projects, including 'CS1010_Fall2022_Group00' with a 'Pro plan' tag. A red arrow labeled '2.' points to this project. The main workspace area shows a code editor with a prompt '# Start writing code here...' and a 'Run notebook' button. The right sidebar contains tabs for 'Project', 'Integrations', 'Comments', and 'History'. The 'Project' tab is active, showing a file 'notebook.ipynb', environment details (Python 3.9, Basic), and RAM/CPU usage. A 'Share & publish' button is visible at the top right.

5. Creation of new projects in your group

- In case you want to create new projects for your group, you can via the “+” button.



The screenshot displays the Deepnote web interface. On the left sidebar, the 'WORKSPACE' section is highlighted, and a red circle with a '+' sign is placed next to it, with a red arrow pointing to it. The main area shows a notebook titled 'APSC 1001 and CS 1010 - Class 1' with the following content:

Instructor:
Dr. Kartik Bulusu [MAE]

Teaching Assistants:
Sara Tenaglio [BME], Catherine Karpova [BME]

Learning Assistants:
Ethan Frink [MAE], Alexis Renderos [MAE], Olivia Legault [CS], Jon Terry [CS], Jack Umina [CS]

If you have any questions regarding Python, please feel free to send a slack message or email to a member of the teaching team or come to office hours! We are happy to help!!

On the right sidebar, the 'Files' section lists several notebooks: FinalProject, GuidedProject, Week1, Week2, Week3, Week4, Week5, Week6, FinalProject-Project_Intro.ipynb, GuidedProject-COVID_data_a..., Init notebook.ipynb, and Notebook 1.ipynb.