

DS3500: Advanced Programming with Data

Day 2



PyCharm (JetBrains)

<https://www.jetbrains.com/pycharm/>

A promotional banner for PyCharm. The background is dark with a large, stylized, multi-colored rose (yellow, green, blue) on the right side. A small black square with 'PC' and a horizontal line is overlaid on the rose. On the left, the text 'PyCharm' is in white, followed by 'The only Python IDE you need' in a larger white font. Below that, a smaller white font says 'Built for web, data, and AI/ML professionals. Supercharged with an AI-enhanced IDE experience.' At the bottom left, there is a teal button with the word 'Download' in white.

PyCharm

**The only Python IDE
you need**

Built for web, data, and AI/ML professionals. Supercharged
with an AI-enhanced IDE experience.

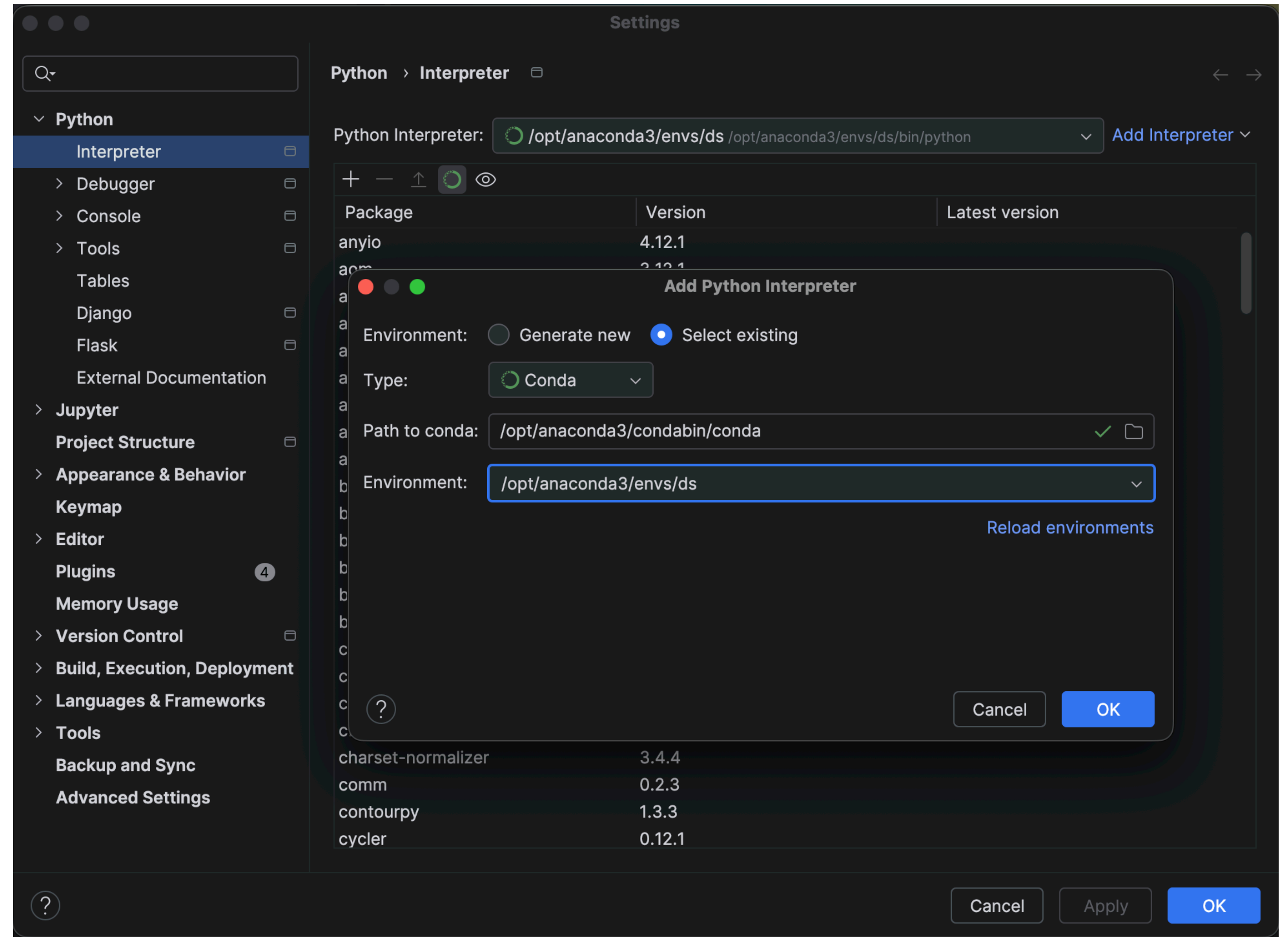
Download



Go to settings and find the interpreter settings.

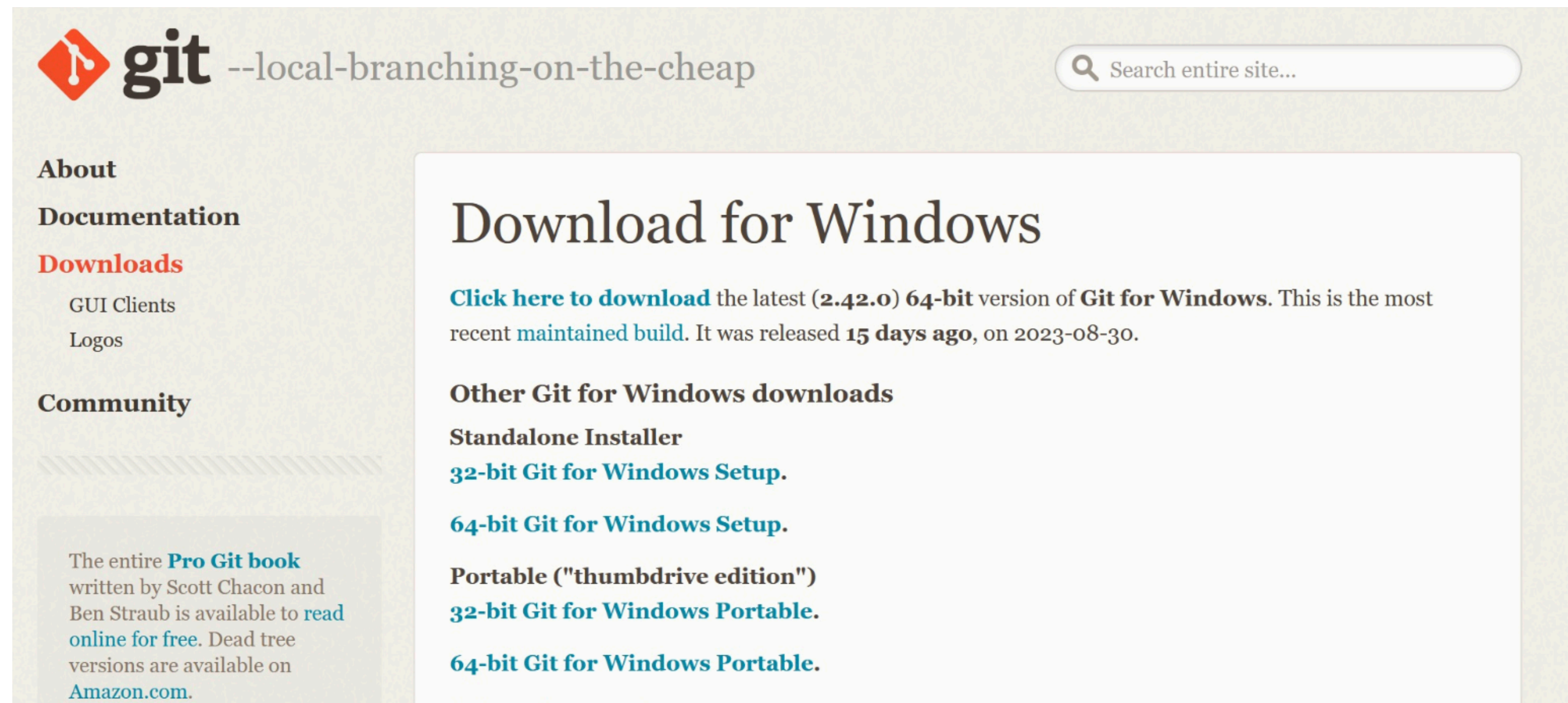
You should then link your PyCharm interpreter to the ds environment created with Anaconda.

Do not create a new environment, you should be using the existing local Conda environment.



Installing Git on Windows

Follow instructions in the Git Pro Book: <https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>



The screenshot shows the Git website's 'Download for Windows' page. The header features the Git logo and the tagline '--local-branching-on-the-cheap', along with a search bar. The left sidebar contains navigation links: 'About', 'Documentation', 'Downloads' (highlighted in red), 'GUI Clients', 'Logos', and 'Community'. The main content area is titled 'Download for Windows' and provides instructions on downloading the latest version (2.42.0) for Windows. It mentions that this is the most recent 'maintained build' released 15 days ago on 2023-08-30. Below this, it lists 'Other Git for Windows downloads' including 'Standalone Installer' with links for '32-bit Git for Windows Setup' and '64-bit Git for Windows Setup', and 'Portable ("thumbdrive edition")' with links for '32-bit Git for Windows Portable' and '64-bit Git for Windows Portable'. A footer note mentions the 'Pro Git book' by Scott Chacon and Ben Straub, available online for free or on Amazon.com.

git --local-branching-on-the-cheap

Search entire site...

About

Documentation

Downloads

GUI Clients

Logos

Community

The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to [read online for free](#). Dead tree versions are available on [Amazon.com](#).

Download for Windows

Click here to download the latest (**2.42.0**) **64-bit** version of **Git for Windows**. This is the most recent [maintained build](#). It was released **15 days ago**, on 2023-08-30.

Other Git for Windows downloads

Standalone Installer

[32-bit Git for Windows Setup.](#)

[64-bit Git for Windows Setup.](#)

Portable ("thumbdrive edition")

[32-bit Git for Windows Portable.](#)

[64-bit Git for Windows Portable.](#)

Installing Git on MacOS

```
git --version
```

This will open a pop-up for installing Xcode Command Line tools!



Configure your Identity on Git

Every git commit uses your identity so it is important to set up your user name and address. You only need to do this once for the system.

```
git config --global user.name  
"Rush Sangs"
```

```
git config --global  
user.email  
"rush.sang@northeastern.edu"
```

Git Tasks

1. Log in to Khoury's Git server.
2. Enable authentication for your device (SSH keys)
 - Profile > Settings> SSH & GPG Keys
 - Follow instructions for generating new SSH keys.
 - Do it in your home directory!
 - Add the public key to Khoury Git account.

Git Tasks

3. Clone the course public repository
4. Create your **private** repository
 - Add a readme and a gitignore.
5. Pull stuff from public repo
6. Push stuff to your private repo

```
# clone  
git clone <SSH URL>
```

```
# check status  
git status
```

```
# push content  
git add <folder name>  
git commit -m "added content"  
git push
```

```
# pull updated content  
git pull
```