

# DS3500: Advanced Programming with Data

Day 2



# PyCharm (JetBrains)

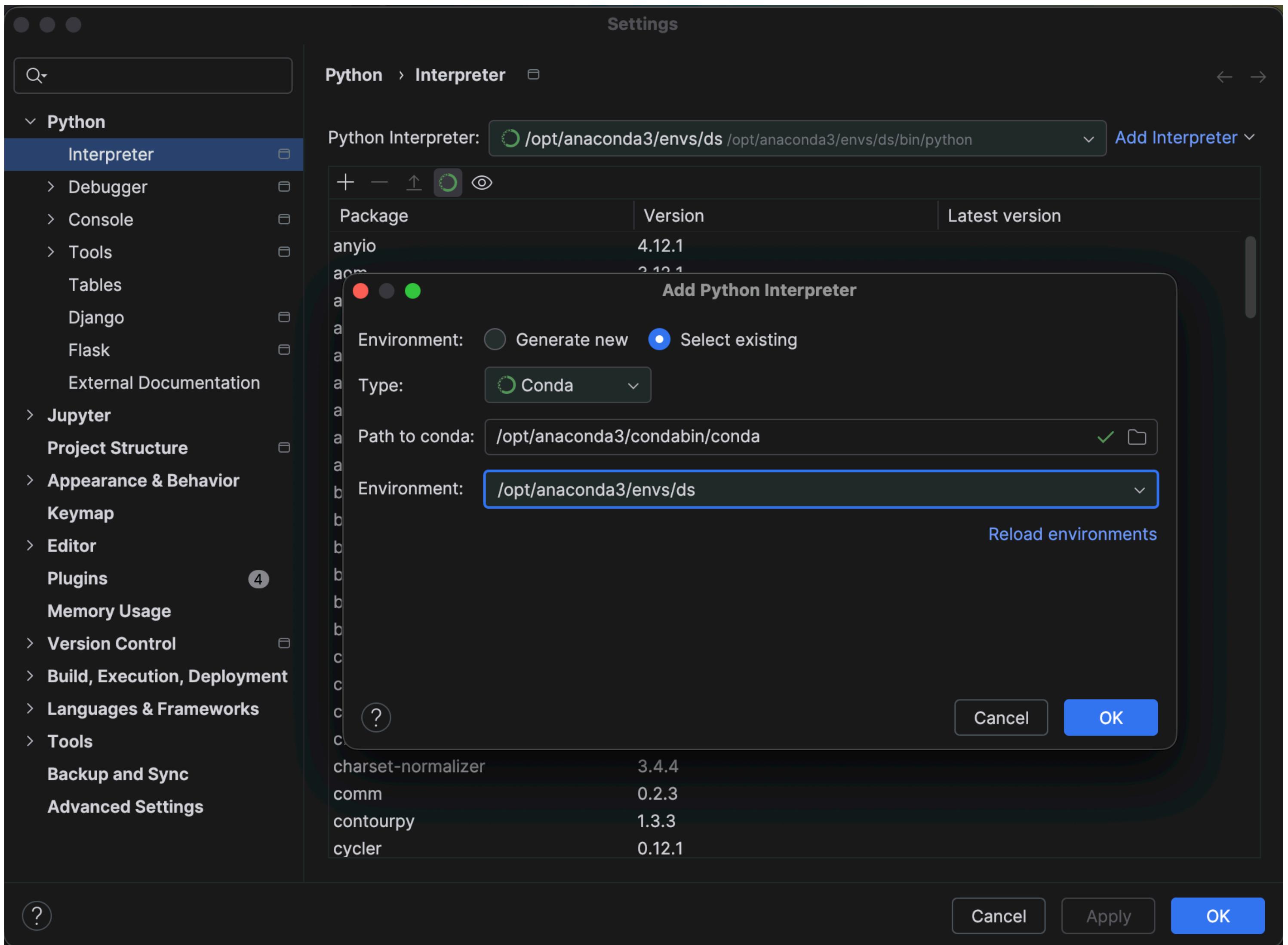
<https://www.jetbrains.com/pycharm/>



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 official Git website (<https://git-scm.com/>). The header features the Git logo and the tagline "local-branching-on-the-cheap". A search bar is located in the top right corner. On the left, there's a sidebar with links for "About", "Documentation", "Downloads" (which includes "GUI Clients" and "Logos"), and "Community". The main content area is titled "Download for Windows". It contains a call-to-action: "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." Below this, there are sections for "Other Git for Windows downloads" listing "Standalone Installer", "32-bit Git for Windows Setup.", "64-bit Git for Windows Setup.", "Portable ("thumbdrive edition")", "32-bit Git for Windows Portable.", and "64-bit Git for Windows Portable.". A sidebar on the left also mentions the availability of the "Pro Git book" online for free.

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

About Documentation Downloads Community

GUI Clients Logos

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

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### 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> SSHH & 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

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

4. Create your **private** repository

- Add a readme and a gitignore.

```
# check status  
git status
```

5. Pull stuff from public repo

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

6. Push stuff to your private repo

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