# Getting started with Jupyter notebooks

CS3200 Database design (sp18 s2)

https://course.ccs.neu.edu/cs3200sp18s2/

Version 2/8/2018

### Screenshots

This setup tutorial complements (but does not supplement) our install instructions on our datalab github page with some screenshots: https://github.com/northeastern-datalab/databasedesign

# 1. Getting started with MAC OS



\*How to get Python 3.5 or other Python versions How to Install ANACONDA

### Follow the instructions

• • •	🥪 Install Anaconda2		🥪 Install Anaconda2
	Welcome to the Anaconda2 Installer		Standard Install on "Macintosh HD"
<ul> <li>Introduction</li> <li>Read Me</li> <li>License</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	You will be guided through the steps necessary to install this software.	<ul> <li>Introduction</li> <li>Read Me</li> <li>License</li> <li>Destination Select</li> <li>Installation Type</li> <li>Installation</li> <li>Summary</li> </ul>	This will take 1.99 GB of space on your computer. Click Install to perform a standard installation of this software in your home folder. Only the current user of this computer will be able to use this software.
ANACONDA		ANACONDA	Change Install Location
	Go Back Continue		Customize Go Back Install



Install ipy	y <mark>hton-sql from the terminal with:</mark>
conda in	nstall –c conda-forge ipython-sql
<pre>     gatter — -bash — 80×24 Last login: Sun Feb 4 10:22:33 on tiys000 Wolfgangs-MacBook-Pro-9:~ gatters conda install -c conda-forge ipython-sql </pre>	<pre>     gatter — conda install -c conda-forge ipython-sql — 80×24 Last login: Sun Feb 4 10:22:33 on ttys000 Wolfgangs-MacBook-Pro-9:~ gatter\$ conda install -c conda-forge ipython-sql Fetching package metadata Solving package specifications: . Package plan for installation in environment /Users/gatter/anaconda2: The following NEW packages will be INSTALLED:     ipython-sql: 0.3.6-py27_1 conda-forge     prettytable: 0.7.2-py27_1 conda-forge     sqlparse: 0.2.4-py_0 conda-forge The following packages will be UPDATED:     conda: 4.3.30-py27h407ed3a_0&gt; 4.3.33-py27_0 conda-forge The following packages will be SUPERSEDED by a higher-priority channel:     conda-env: 2.6.0-h36134e3_0&gt; 2.6.0-0 conda-forge Proceed ([y]/n)? </pre>

## Download git

(←)→ C @



git clone https://github.com/git/git

You can also always browse the current contents of the git repository using the web interface.

# Clone our file repository into your preferred directory

● ● ● ■ cs3200sp18 — -bash — 80×24	● ● ● ■ cs3200sp18 — -bash — 80×24
Last login: Sun Feb 4 10:31:29 on ttys000 Wolfgangs-MacBook-Pro-Ote gatters cd /Userr/gatter/Documents/cc3200cp18 Wolfgangs-MacBook-Pro-9:cs3200sp18 gatter\$ git clone https://github.com/northeas tern-datalab/databasedesign	Last login: Sun Feb 4 10:31:29 on ttys000 Wolfgangs-MacBook-Pro-9:~ gatter\$ cd /Users/gatter/Documents/cs3200sp18 Wolfgangs-MacBook-Pro-9:cs3200sp18 gatter\$ git clone https://github.com/northeas tern-datalab/databasedesign Cloning into 'databasedesign' remote: Counting objects: 53, done. remote: Compressing objects: 100% (28/28), done. remote: Total 53 (delta 21), reused 51 (delta 19), pack-reused 0 Unpacking objects: 100% (53/53), done. Wolfgangs-MacBook-Pro-9:cs3200sp18 gatter\$

## Start Jupyter

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Unpacking objects: 100% (53/53), done. [Wolfgangs-MacBook-Pro-9:cs3200sp18 gatten\$ jupyter notebook ] [I 11:01:10.493 NotebookApp] JupyterLab atpna preview extension loaded from /Use
<pre>rs/gatter/anaconda2/lib/python2.7/site-packages/jupyterlab JupyterLab v0.27.0 Known labextensions:</pre>
<pre>[I 11:01:10.496 NotebookApp] Running the core application with no additional ext ensions or settings [I 11:01:10.515 NotebookApp] Serving notebooks from local directory: /Users/gatt</pre>
er/Documents/cs3200sp18 [I 11:01:10.516 NotebookApp] 0 active kernels
<pre>[I 11:01:10.516 NotebookApp] The Jupyter Notebook is running at: http://localhos t:8888/?token=6a005f35710d5509faf1a58183710ac2febe4906408626b0 [I 11:01:10.516 NotebookApp] Use Control-C to stop this server and shut down all</pre>
kernels (twice to skip confirmation). [C 11:01:10.517 NotebookApp]
Copy/paste this URL into your browser when you connect for the first time, to login with a token:
626b0
<pre>[I 11:01:11.815 NotebookApp] Accepting one-time-token-authenticated connection f rom ::1</pre>

#### Now you can navigate through the activities in your browser

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# 2. Getting started with Windows



#### Follow the instructions

O Ana	aconda2 5.0.1 (64-bit)	Setup	-	_		×
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Ad	Add Anaconda to Not recommended. I menu and select "An Anaconda get found cause problems requ Register Anacond This will allow other p PyCharm, Wing IDE, detect Anaconda as	the system PATH environmen nstead, open Anaconda with t aconda (64-bit)". This "add to before previously installed sof iring you to uninstall and reins a as the system Python 2.7 rograms, such as Python 2.7 rograms, such as Python Tool PyDev, and MSI binary package the primary Python 2.7 on the	t variable he Windows Start PATH" option mak ftware, but may tall Anaconda. s for Visual Studio ges, to automatic system.	es ally		
Anacon	ida, Inc	< Bac	:k Install		Canc	el

Search in windows, anaconda right click and start in the administrator mode.

#### Start the Anaconda Prompt

Write:- jup	yter notebook
<pre>Anaconda Prompt - conda install -c conda-forge ipython-sql (C:\ProgramData\Anaconda3) C:\Users\Rohit&gt;jupyter notebook [I 23:41:50.797 NotebookApp] JupyterLab alpha preview extension loaded from C:\ProgramData upyterLab JupyterLab v0.27.0 Known labextensions: [I 23:41:50.813 NotebookApp] Running the core application with no additional extensions on [I 23:41:50.953 NotebookApp] Serving notebooks from local directory: C:\Users\Rohit [I 23:41:50.953 NotebookApp] 0 active kernels [I 23:41:50.953 NotebookApp] The Jupyter Notebook is running at: http://localhost:8888/?td a85ba9f807c13eba447e48 [I 23:41:50.953 NotebookApp] Use Control-C to stop this server and shut down all kernels</pre>	<pre> × A Anaconda3\lib\site-packages\j r settings oken=b1885c830c7e628bfe588309c6 (twice to skip confirmation).</pre>
<pre>[C 23:41:50.969 NotebookApp] Copy/paste this URL into your browser when you connect for the first time, to login with a token:</pre>	Install ipyhton-sql from the terminal with conda install –c conda-forge ipython-sql
<pre>[I 23:41:51.162 NotebookApp] Accepting one-time-token-authenticated connection from ::1 [I 23:42:05.989 NotebookApp] Interrupted [I 23:42:05.989 NotebookApp] Shutting down kernels</pre>	
(C:\ProgramData\Anaconda3) C:\Users\Rohit≻conda install -c conda-forge ipython-sql Fetching package metadata	

# Download git

(←)→ C @



git clone https://github.com/git/git

You can also always browse the current contents of the git repository using the web interface.

# Clone our file repository into your preferred directory

<u>,</u>	-Best-match
	<b>Git Bash</b> Desktop app
	Apps
	🚸 Git CMD
	🚸 🛛 <b>G</b> it GUI
	🚸 Git-2.16.1.4-64-bit.exe
	Command
	📧 git
	Search suggestions
	♀ git - See web results >

Filters  $\checkmark$ 

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Search in windows for Git Bash which will look like the icon on the left



Navigate to the folder to which you want to clone the repo

#### Now you can navigate through the activities in your browser

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		BEADME.md							17 mi	inutes	ago	