

# Data to Fish

[Home](#) » [Julia](#) » How to Add Julia to Jupyter Notebook

## How to Add Julia to Jupyter Notebook

Julia / March 5, 2019

In this short post, I'll show you the steps to add Julia to Jupyter Notebook from scratch.

### Steps to add Julia to Jupyter Notebook

#### Step 1: Download and Install Julia

To start, [download Julia](#) for your operating system. In my case, I downloaded Julia for 64-bit Windows:

Current stable release (v1.1.0)

Windows Self-Extracting Archive (.exe) <a href="#">[help]</a>	32-bit	64-bit	Windows 7/Windows Server 2012 users also require <a href="#">Windows Management Framework 3.0 or later</a>
macOS 10.8+ Package (.dmg) <a href="#">[help]</a>		64-bit	
Generic Linux Binaries for x86 <a href="#">[help]</a>	32-bit (GPG)	64-bit (GPG)	
Generic FreeBSD Binaries for x86 <a href="#">[help]</a>		64-bit (GPG)	
Source	Tarball (GPG)	Tarball with dependencies (GPG)	GitHub

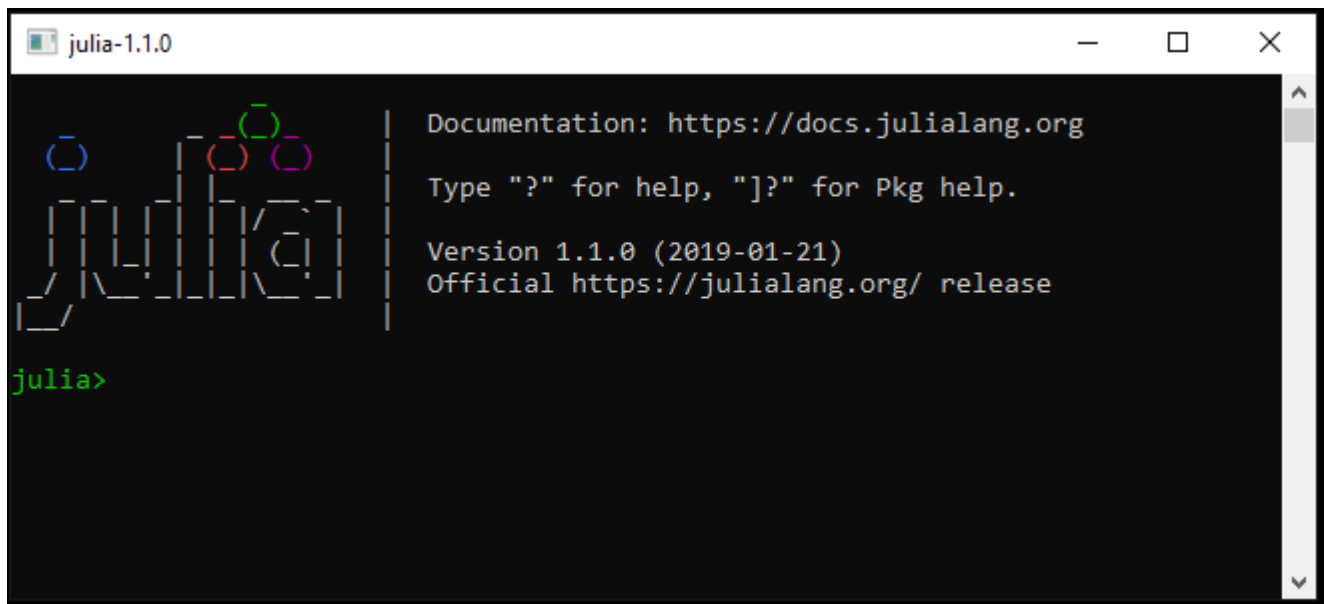
Follow the instructions to complete the installation on your system.

#### Step 2: Open the Julia Command-Line

Next, open the Julia command-line, also known as the REPL (read-eval-print-loop):



You would then see the following screen:



```
julia-1.1.0

Documentation: https://docs.julialang.org

Type "?" for help, "]"? for Pkg help.

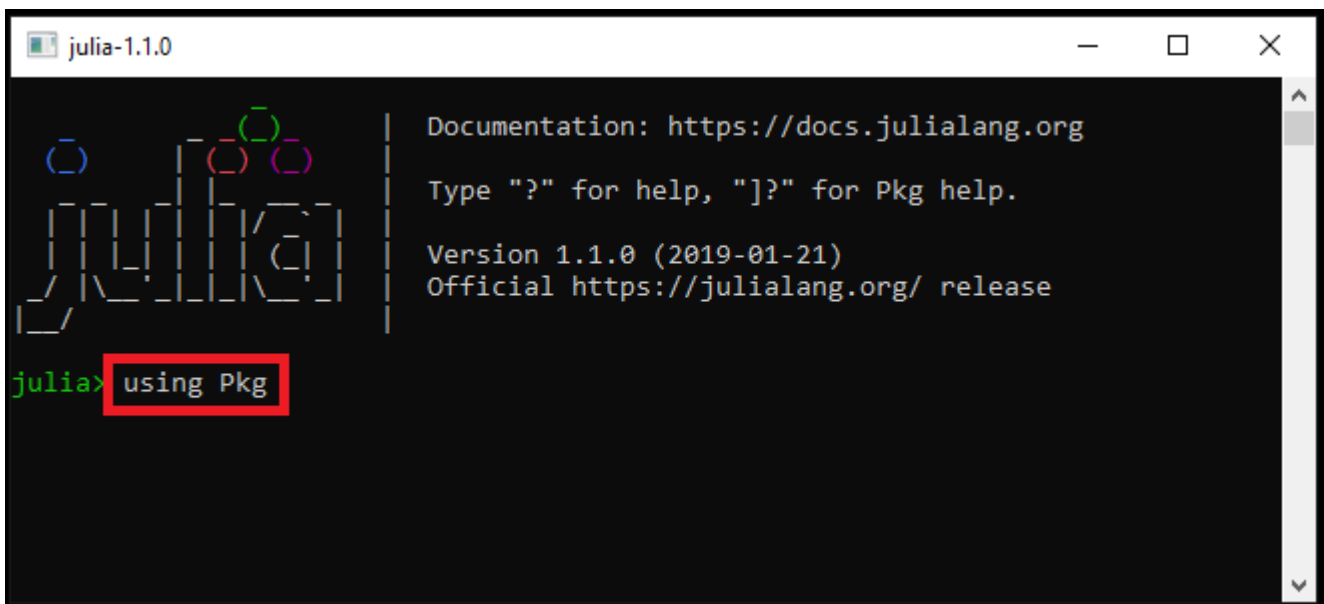
Version 1.1.0 (2019-01-21)
Official https://julialang.org/ release

julia>
```

### Step 3: Add Julia to Jupyter Notebook

In order to add Julia to Jupyter Notebook, you'll need to type the following command and then press **ENTER**:

```
using Pkg
```



```
julia-1.1.0

Documentation: https://docs.julialang.org

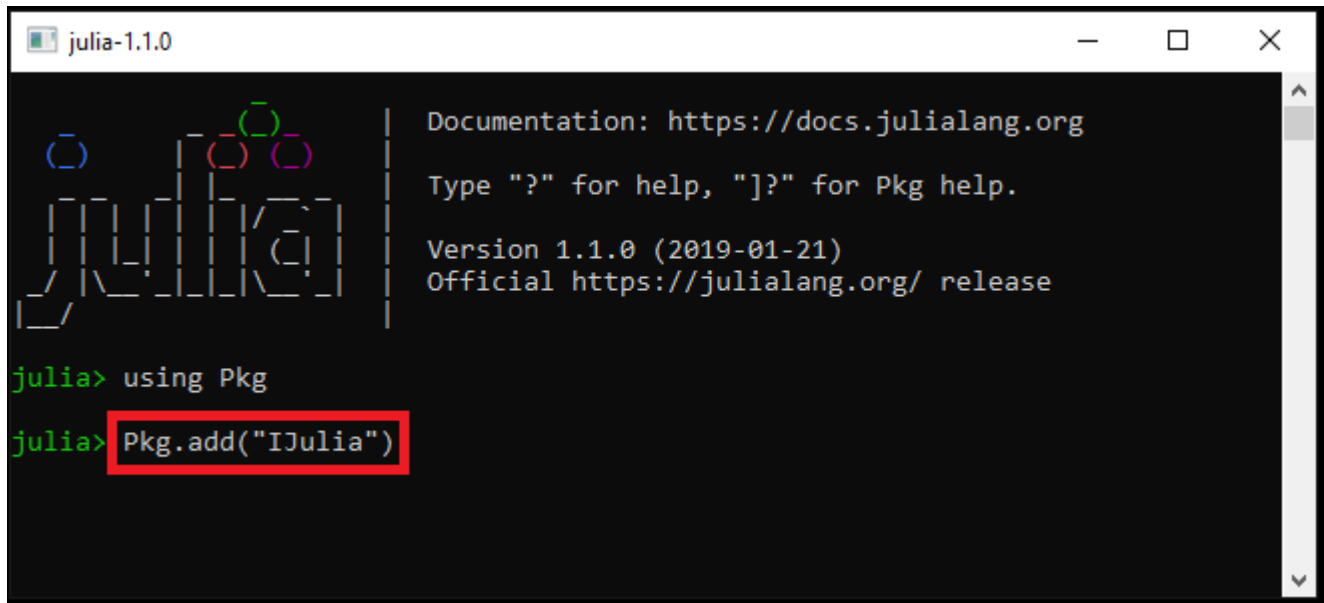
Type "?" for help, "]"? for Pkg help.

Version 1.1.0 (2019-01-21)
Official https://julialang.org/ release

julia> using Pkg
```

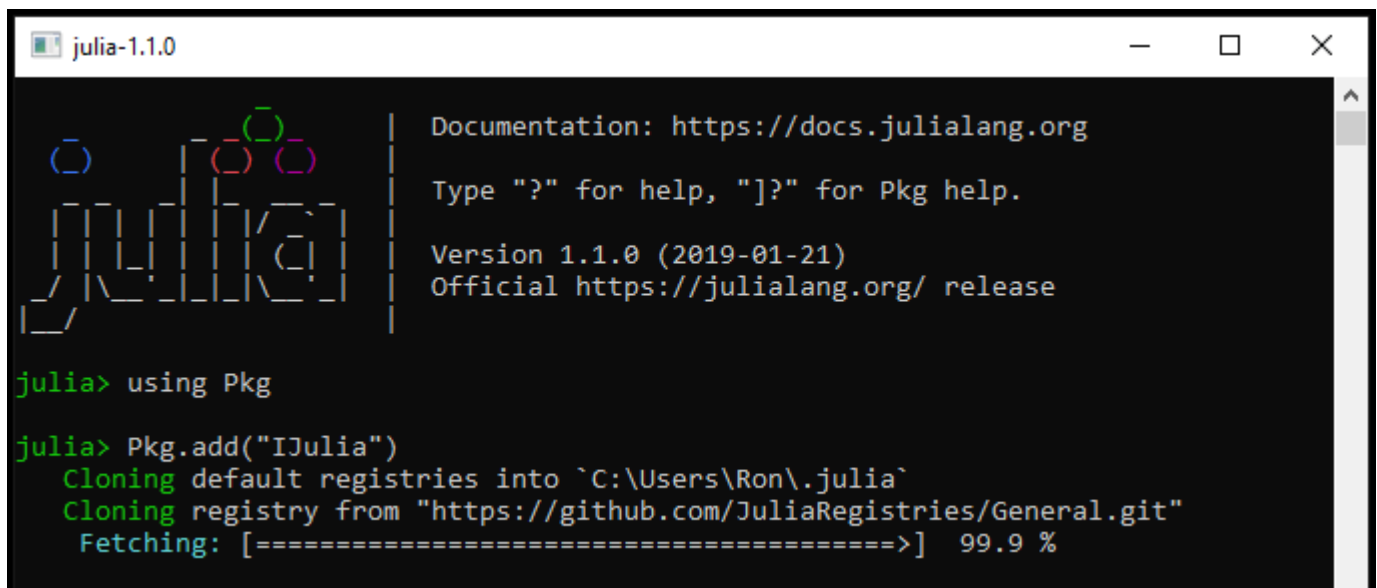
Then, type this command and then press **ENTER**:

```
Pkg.add("IJulia")
```



A screenshot of the Julia REPL window titled "julia-1.1.0". The window has a dark background with a Julia logo on the left. On the right, it displays: "Documentation: https://docs.julialang.org", "Type '?' for help, ']' for Pkg help.", "Version 1.1.0 (2019-01-21)", and "Official https://julialang.org/ release". The command prompt shows "julia> using Pkg" followed by "julia> Pkg.add('IJulia')", which is highlighted with a red rectangular box.

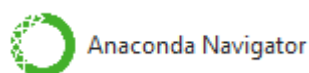
You'll have to wait a minute or so for the installation to complete...



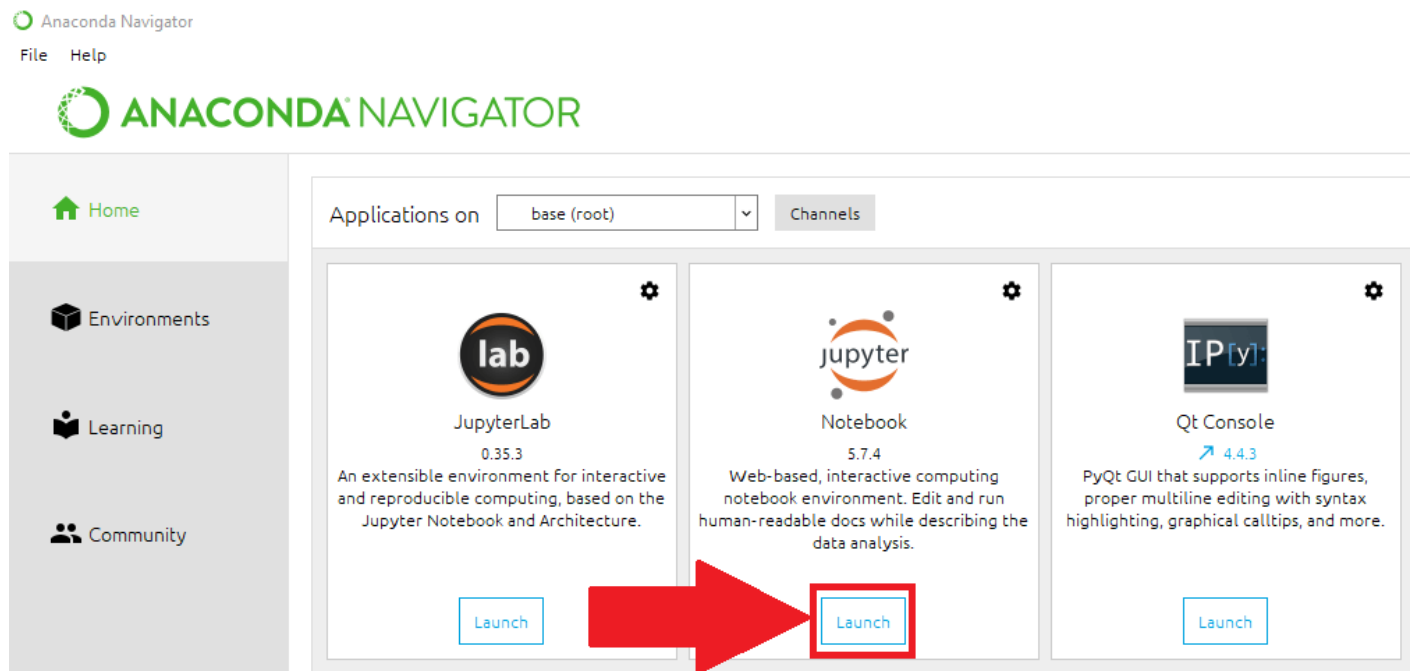
A screenshot of the Julia REPL window titled "julia-1.1.0" showing the progress of the IJulia installation. The command prompt shows "julia> using Pkg" followed by "julia> Pkg.add('IJulia')". Below this, the following text is displayed: "Cloning default registries into `C:\Users\Ron\.julia`", "Cloning registry from \"https://github.com/JuliaRegistries/General.git\"", and "Fetching: [=====>] 99.9 %".

## Step 4: Download and Install Anaconda

If you haven't already done so, [download the Anaconda Distribution](#) for your operating system. Once you are done with the installation, click on the Anaconda Navigator:



From the Anaconda Navigator, you'll be able to launch Jupyter Notebook by clicking on the **Launch** button within the Jupyter box:



## Step 5: Create a new Notebook

To create a new Notebook with Julia:

1. Click on **New**
2. Then, select **Julia** from the drop-down list



## Step 6: Write your Code

For the final step, write your code. For example, here is a simple code to print “Hello World” using Julia:

```
println("Hello World")
```

Click on **Run** to execute your code:

The phrase, **Hello World**, would be printed as follows:

---

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