

# Text Editors and IDEs



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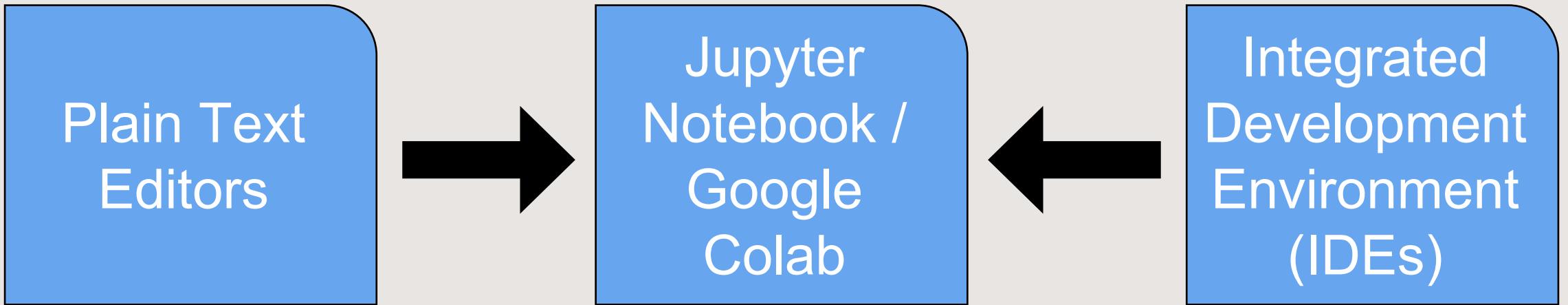
**Did everyone  
download  
PsychoPy?**

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# Writing Code outside of Google Colab

So far, we've used Google Colab to house our code. But Google Colab has its limitations and it's time to expand!

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Code is fundamentally just text. How we interact with the text can depend on our environment (what thing we are using to write that text).

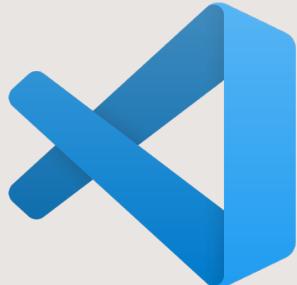
# Text Editors



ATOM



Sublime



Visual Studio  
Code

A computer application designed for writing and editing plain text (text that exclusively consists of character representation – like the text used in Markdown).

Text editors take plain text and format it (syntax highlighting, again like we've seen with Google Colab) for ease of reading and writing.

But, text editors can't run code line by line like we do in Google Colab, instead scripts created through text editors are usually run on the command line (and all at once!)

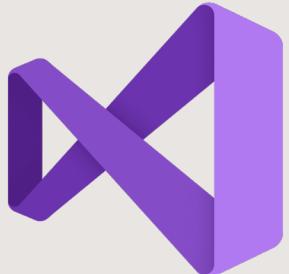
# IDEs



PyCharm



PsychoPy



Visual Studio

Closer to Google Colab, IDEs are places you can write AND execute code. Different from Colab, you are writing executable scripts

IDEs usually include a text editor, a way to execute code, and a debugger (super handy!)

IDE's can be language specific or service many languages, the ones we will be using most in this class are particular to Python.