

Integrated Development Environment (IDE)

A programming tool or software development tool is a computer program that software developers use to create, debug, maintain, or otherwise support other programs and applications. The IDE is meant to make programming a more productive process.

- Organize project files
- Searching
- Source Code Editor
- Debugger
- Tasks & Annotations related to code
- Documentation Generators
- Revision Control
- Code Analysis

Jupyter Notebook



- Interactively developing and presenting data science projects.
- A single document integrates: code and its output, visualizations, narrative text, mathematical equations, and other rich media.











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Real power of Github: Branching

- The most over-stressed functionality.
- Branching: work on different versions of a repository at one time.
- By default each repository has 1 branch:

master

- When create a new branch off the master:
 - Make a copy of all contents.
 - Changes on new repository are separated.
 - Can pull changes from master at any point.
 - Can push changes to master at any point.



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- Starting from the MASTER branch.
- We create the FEATURE branch.
- The new branch progresses independently.
- Eventually, it MERGES into MASTER.



