Working with Python Using Other IDEs



Janani Ravi CO-FOUNDER, LOONYCORN www.loonycorn.com

Overview

Integrated development environments for production code

Python in IDLE

Python in Eclipse

Python in PyCharm

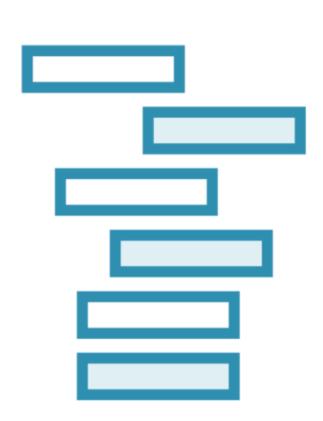
Python in Spyder

Running and debugging code

Setting breakpoints and conditional breakpoints

Jupyter is fine for prototyping, but for enterprise-scale development, IDEs still matter

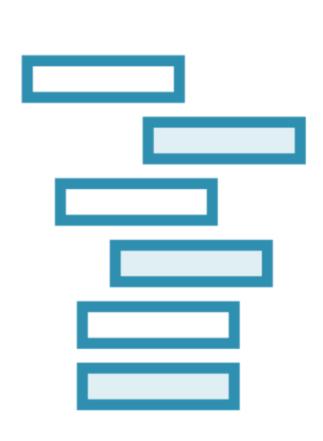
IDEs and Python



Jupyter is an execution environment, not an IDE

For large projects that span notebooks, seriously consider an IDE

Full IDEs



PyCharm

IDLE

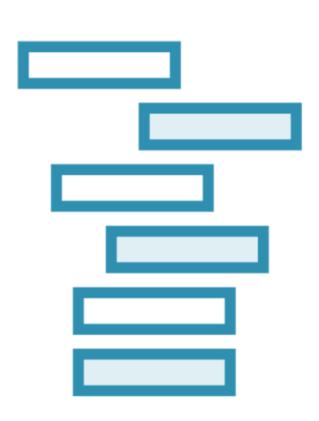
Spyder

Thonny

Eclipse with PyDev

Visual Studio

IDLE



Python's own IDE

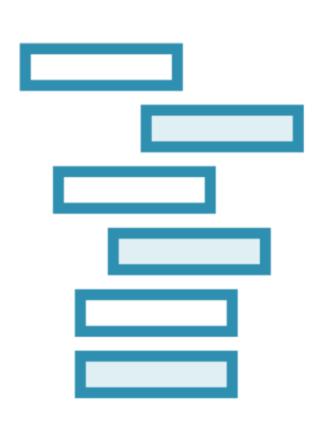
Optional part of language installation
Windows, Mac, Linux

Simple and not very feature-rich

Aimed at beginners

Eclipse

Aimed at pros



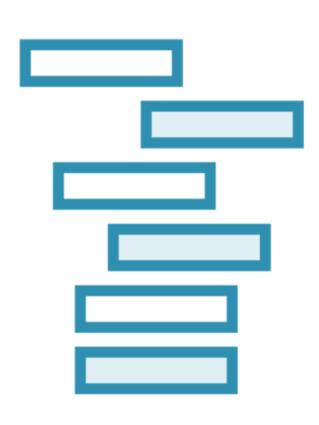
Very popular Java IDE

PyDev extension for Python

Great for experienced Eclipse users

Heavyweight, feature-rich

PyCharm



Full-feature, Python-specific IDE

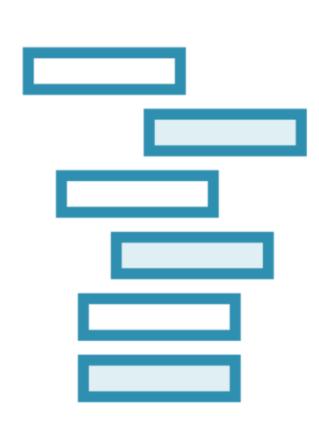
Paid and free editions

Windows, Mac, Linux

Somewhat heavyweight

Meant for pro users

Spyder



Part of Anaconda

Windows, Mac, Linux

Basic and not very feature-rich

Specifically targets data scientists

Variable explorer handy for NumPy arrays and dataframes

Executing and debugging Python code on IDLE

Executing and debugging Python code on Eclipse

Executing and debugging Python code on PyCharm

Executing and debugging Python code on Spyder

Summary

Integrated development environments for production code

Python in IDLE

Python in Eclipse

Python in PyCharm

Python in Spyder

Running and debugging code

Setting breakpoints and conditional breakpoints