

# The Scientific Python Ecosystem

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In recent years, Python has become a glue language for scientific computing. Although code written in Python is generally slow, it has a good C API and Numpy as a common data abstraction, and many data processing, statistical, and most machine learning software packages have a Python interface as a matter of course.

This tutorial will introduce you to core Python packages for science— Numpy, Pandas, SciPy, Numba, Dask— as well as HEP-specific tools— uproot, histbook, NumPythia, pyjet— and how to connect them in analysis code.

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