ArcGIS Pro Python Distribution by Release

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
annotated-types	–	–	–	–	–	–	–	–	–	–	0.6.0	Reusable constraint types to use with typing.Annotated	MIT
anyio	–	–	–	–	–	–	–	3.5.0	3.5.0	4.2.0	3.5.0	High level asynchronous concurrency and networking framework	MIT
anywidget	–	–	–	–	–	–	–	–	–	–	0.9.13	simple, custom Jupyter widgets	MIT
appdirs	–	–	–	1.4.4	1.4.4	1.4.4	1.4.4	1.4.4	1.4.4	1.4.4	1.4.4	A small Python module for determining appropriate platform-specific dirs	MIT
arcgis	1.6.1	1.7.0	1.8.1	1.8.3	1.8.5	1.9.1	2.0.1	2.1.0.2	2.2.0.1	2.3.0	2.4.0	ArcGIS API for Python	Esri Master License Agreement (MLA)
arcgis-mapping	–	–	–	–	–	–	–	–	–	–	4.30.0	Leverage Python for ArcGIS! This package provides classes for building both interactive 2D maps and immersive 3D scenes.	Apache 2.0
arcgispro	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	ArcGIS Pro metapackage	Apache 2.0
arcpy	–	–	–	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	The Esri ArcPy Python library	Esri Master License Agreement (MLA)
arcpy-base	–	–	–	–	–	–	–	3.1	3.2	3.3	3.4	The Esri ArcPy Python library, minimum dependencies	Esri Master License Agreement (MLA)
argon2-cffi	–	–	–	20.1.0	–	–	–	21.3.0	21.3.0	21.3.0	21.3.0	The secure Argon2 password hashing algorithm	MIT
argon2-cffi-bindings	–	–	–	–	–	–	–	21.2.0	21.2.0	21.2.0	21.2.0	Low-level Python CFFI Bindings for Argon2	MIT
arrow-cpp	–	–	–	–	1.0.1	1.0.1	1.0.1	1.0.1	12.0.0	15.0.0	16.1.0	C++ libraries for Apache Arrow	Apache 2.0
asn1crypto	0.24.0	0.24.0	1.3.0	1.4.0	1.4.0	1.4.0	1.4.0	–	–	–	–	Python ASN.1 library with a focus on performance and a pythonic API	MIT
asttokens	–	–	–	–	–	–	–	2.0.5	2.0.5	2.0.5	2.0.5	Annotate Python AST trees with source text and token information	Apache-2.0
async-lru	–	–	–	–	–	–	–	–	–	–	2.0.4	Simple lru_cache for asyncio	MIT
async_generator	–	–	–	1.10	–	–	–	–	–	–	–	Provides async generators introduced at Python 3.6+ back to Python 3.5	Apache 2.0
atomicwrites	1.3.0	1.3.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	–	–	–	–	Atomic file writes for Python	MIT
attrs	19.1.0	19.1.0	19.3.0	20.2.0	20.3.0	21.2.0	21.4.0	21.4.0	22.1.0	23.1.0	23.1.0	Bring back the joy of writing classes by relieving you from the drudgery of implementing object protocols	MIT
aws-crt-cpp	–	–	–	–	–	–	–	–	–	–	0.27.4	C++ wrapper around the aws-c-* libraries.	Apache 2.0
aws-sdk-cpp-base	–	–	–	–	–	–	–	–	–	–	1.11.386	C++ library that makes it easy to integrate C++ applications with AWS services.	Apache 2.0
azure-core	–	–	–	–	1.12.0	1.12.0	1.12.0	1.12.0	1.12.0	1.12.0	1.12.0	Microsoft Azure Core Library for Python	MIT
azure-storage-blob	–	–	–	–	12.8.0	12.8.0	12.8.0	12.8.0	12.8.0	12.8.0	12.8.0	Microsoft Azure Blob Storage Client Library for Python	MIT
babel	–	–	–	–	–	–	–	2.11.0	2.11.0	2.11.0	2.11.0	Utilities to internationalize and localize Python applications	BSD 3-clause

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
backcall	0.1.0	0.1.0	0.1.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	–	Specifications for callback functions passed in to an API	BSD-3-Clause
beautifulsoup4	–	–	–	–	–	–	–	4.11.1	4.12.2	4.12.2	4.12.3	Python library designed for screen-scraping	MIT
black	–	–	–	19.10b0	19.10b0	19.10b0	22.1.0	22.1.0	22.1.0	23.10.1	23.10.1	Black is the uncompromising Python code formatter	MIT
blas	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Basic Linear Algebra Subprograms (BLAS) selector metapackage	BSD
bleach	3.1.0	3.1.0	3.1.4	3.2.1	3.3.0	3.3.0	4.1.0	4.1.0	4.1.0	4.1.0	4.1.0	Easy, whitelist-based HTML-sanitizing tool	Apache 2.0
blinker	–	–	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6.2	1.6.2	Fast, simple object-to-object and broadcast signaling	MIT
bottleneck	–	–	–	–	–	–	1.3.4	1.3.5	1.3.5	1.3.7	1.3.7	Fast NumPy array functions written in Cython	BSD 2-Clause
brotli	–	–	–	–	–	–	–	1.0.9	1.0.9	1.0.9	1.1.0	Brotli compression format	MIT
brotli-bin	–	–	–	–	–	–	–	1.0.9	1.0.9	1.0.9	1.1.0	Brotli compression format binaries and libraries used by brotlipy	MIT
brotli-python	–	–	–	–	–	–	–	–	–	1.0.9	1.0.9	Brotli compression format	MIT
brotlipy	–	–	–	0.7.0	0.7.0	0.7.0	0.7.0	0.7.0	0.7.0	–	–	Python bindings for the reference Brotli encoder/decoder	MIT
c-ares	–	–	–	–	–	–	–	–	1.19.1	1.19.1	1.19.1	An asynchronous resolver library	MIT-style license
ca-certificates	2019.1.23	2019.8.28	2020.1.1	–	–	–	2022.3.29	–	–	–	–	Mozilla CA certificate store in PEM format	MPL 2.0
cached-property	–	–	–	1.5.2	1.5.2	1.5.2	1.5.2	–	–	–	–	A decorator for caching properties in classes	BSD-3-Clause
cachetools	–	–	–	–	–	4.2.2	4.2.2	4.2.2	4.2.2	4.2.2	5.3.3	Extensible memoizing collections and decorators	MIT
certifi	2019.3.9	2019.9.11	2020.4.5.1	2020.6.20	2020.12.5	2021.5.30	2021.10.8	2022.9.24	2023.7.22	2024.2.2	2024.8.30	Python package for providing Mozilla's CA Bundle	ISC
cffi	1.12.2	1.12.3	1.14.0	1.14.3	1.14.5	1.14.5	1.15.0	1.15.1	1.15.1	1.16.0	1.16.0	C Foreign Function Interface for Python	MIT
cftime	1.0.0b1	1.0.0b1	1.0.0b1	1.0.0b1	1.0.0b1	1.5.0	1.5.0	1.6.2	1.6.2	1.6.3	1.6.3	Time-handling functionality from netcdf4-python	MIT
chardet	3.0.4	3.0.4	3.0.4	3.0.4	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	4.0.0	Universal character encoding detector	LGPL2
charset-normalizer	–	–	–	–	–	–	2.0.4	2.0.4	2.0.4	2.0.4	3.3.2	A fast and robust universal character set detector	MIT
click	–	–	–	7.1.2	7.1.2	7.1.2	8.0.4	8.0.4	8.0.4	8.1.7	8.1.7	A simple wrapper around optparse for powerful command line utilities	BSD 3-Clause
cloudpickle	–	–	–	–	–	–	–	2.0.0	2.0.0	2.2.1	3.0.0	Extended pickling support for Python objects	BSD 3-Clause
colorama	0.4.1	0.4.1	0.4.3	0.4.3	0.4.4	0.4.4	0.4.4	0.4.5	0.4.6	0.4.6	0.4.6	Cross-platform colored terminal text	BSD 3-Clause
comm	–	–	–	–	–	–	–	–	–	–	0.2.2	Python Comm implementation for the Jupyter kernel protocol	BSD-3-Clause
contourpy	–	–	–	–	–	–	–	1.0.5	1.0.5	1.2.0	1.2.0	Python library for calculating contours of 2D quadrilateral grids	BSD-3-Clause
cppzmq	–	–	4.3.0	4.4.1	4.4.1	4.4.1	4.4.1	4.4.1	4.9.0	4.9.0	4.9.0	C++ header-only binding for the ZeroMQ library	MIT
cryptography	2.6.1	2.7	2.8	2.8	2.8	3.4.7	37.0.2	38.0.4	41.0.3	42.0.5	43.0.1	Provides cryptographic recipes and primitives to Python developers	Apache 2.0 or BSD 3-Clause, PSF 2
cycler	0.10.0	0.10.0	0.10.0	0.10.0	0.10.0	0.10.0	0.11.0	0.11.0	0.11.0	0.11.0	0.11.0	Composable style cycles	BSD 3-Clause
cytoolz	–	–	–	–	–	–	–	0.11.0	0.11.0	0.12.2	0.12.2	Cython implementation of Toolz. High performance functional utilities	BSD 3-Clause
dask	–	–	–	–	–	–	–	2022.7.0	2023.3.2	2023.3.2	2023.3.2	Parallel Python with task scheduling	BSD 3-Clause

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
dask-core	–	–	–	–	–	–	–	2022.7.0	2023.3.2	2023.3.2	2023.3.2	Parallel Python with task scheduling, core package	BSD 3-Clause
debugpy	–	–	–	–	–	–	–	1.5.1	1.5.1	1.6.7	1.6.7	An implementation of the Debug Adapter Protocol for Python	MIT
decorator	4.4.0	4.4.0	4.4.2	4.4.2	4.4.2	4.4.2	5.1.1	5.1.1	5.1.1	5.1.1	5.1.1	Better living through Python with decorators	BSD 3-Clause
defusedxml	0.5.0	0.6.0	0.6.0	0.6.0	0.7.1	0.7.1	0.7.1	0.7.1	0.7.1	0.7.1	0.7.1	XML bomb protection for Python stdlib modules	PSF 2.0
despatch	0.1.0	0.1.0	0.1.0	0.1.0	0.1.0	0.1.0	0.2.0	0.2.0	–	–	–	Despatch lets you control CPU dispatching for MKL	Apache 2.0
distributed	–	–	–	–	–	–	–	2022.7.0	2023.3.2	2023.3.2	2023.3.2	Distributed computing with Dask	BSD 3-Clause
dpcpp-cpp-rt	–	–	–	–	–	–	–	–	2022.2.1	2022.2.1	2022.2.1	Intel oneAPI DPC++/C++ Compiler	Intel End User License Agreement for Developer Tools
entrypoints	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	Discover and load entry points from installed packages	MIT
et_xmlfile	1.0.1	1.0.1	1.0.1	1.0.1	1.0.1	1.0.1	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	Low memory library for creating large XML files	MIT
exceptiongroup	–	–	–	–	–	–	–	1.0.0rc9	1.0.0rc9	–	1.0.0rc9	Backport of PEP 654 (BaseExceptionGroup and ExceptionGroup classes) from Python 3.11	BSD-3-Clause
executing	–	–	–	–	–	–	–	0.8.3	0.8.3	0.8.3	0.8.3	Provides information about what a frame is currently doing	MIT
fastcache	1.0.2	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	–	–	–	–	C implementation of Python 3 lru_cache	MIT
flake8	–	–	–	3.8.3	3.9.0	3.9.0	4.0.1	4.0.1	4.0.1	7.0.0	7.0.0	Your Tool For Style Guide Enforcement	MIT
fonttools	–	–	–	–	–	–	–	4.25.0	4.25.0	4.25.0	4.51.0	fontTools is a library for manipulating fonts	MIT
freetype	2.9.1	2.9.1	2.9.1	2.10.1	2.10.1	2.10.4	2.12.1	2.12.1	2.12.1	2.13.2	2.13.2	A Free, High-Quality, and Portable Font Engine	GPL-2.0 and FreeType
fsspec	–	–	–	–	–	–	–	2022.7.1	2023.4.0	2023.10.0	2024.6.1	A specification for pythonic filesystems	BSD-3-Clause
future	0.17.1	0.17.1	0.18.2	0.18.2	0.18.2	0.18.2	0.18.2	0.18.2	0.18.2	0.18.3	0.18.3	Clean single-source support for Python 3 and 2	MIT
gdal	2.1.1	2.3.3	2.3.3	2.3.3	2.3.3	3.3.0	3.4.0	3.4.0	3.7.0	3.8.1	3.9.2	Geospatial Data Abstraction Library	MIT
geomet	–	–	–	–	–	0.3.0	0.3.0	1.0.0	1.0.0	1.0.0	1.0.0	GeoMet - Convert GeoJSON to WKT/WKB, and vice versa	Apache-2.0
greenlet	–	–	–	–	–	–	–	1.1.1	1.1.1	3.0.1	3.0.1	Lightweight in-process concurrent programming	MIT
h11	–	–	–	–	–	–	–	–	–	–	0.14.0	A pure-Python HTTP/1.1 protocol library.	MIT
h5py	2.9.0	2.9.0	2.10.0	2.10.0	2.10.0	2.10.0	3.6.0	3.7.0	3.9.0	3.9.0	3.10.0	Pythonic interface to the HDF5 binary data format	BSD 3-clause
heapdict	–	–	–	–	–	–	–	1.0.1	1.0.1	–	–	A heap with decrease-key and increase-key operations	BSD 3-Clause
html5lib	1.0.1	1.0.1	1.0.1	1.1	1.1	1.1	1.1	–	–	–	–	HTML parser based on the WHATWG HTML specification	MIT
httpcore	–	–	–	–	–	–	–	–	–	–	1.0.2	The next generation HTTP client.	BSD-3-Clause
httpx	–	–	–	–	–	–	–	–	–	–	0.27.0	A next-generation HTTP client for Python.	BSD-3-Clause
icc_rt	2019.0.0	2019.0.4	2019.0.5	2019.0.5	2019.0.5	2019.0.5	2019.0.5	2019.0.5	2022.2.1	2022.2.1	2022.2.1	Intel runtimes for C++ and Fortran compilers	Intel Simplified Software License
idna	2.8	2.8	2.9	2.10	2.10	2.10	3.3	3.4	3.4	3.4	3.7	Internationalized Domain Names in Applications (IDNA)	BSD Like

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
importlib-metadata	–	–	–	1.7.0	3.7.3	3.7.3	4.11.3	4.11.3	6.0.0	7.0.1	7.0.1	A library to access the metadata for a Python package	APACHE-2.0
importlib_metadata	–	0.19	1.5.0	1.7.0	3.7.3	3.7.3	4.11.3	4.11.3	6.0.0	7.0.1	7.0.1	A library to access the metadata for a Python package	APACHE-2.0
importlib_resources	–	–	–	–	–	–	–	–	–	–	6.4.0	Backport of Python 3.7's standard library `importlib.resources`	Apache 2.0
iniconfig	–	–	–	1.0.1	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	iniconfig is a small and simple INI-file parser module	MIT
intel-cmplr-lib-rt	–	–	–	–	–	–	–	–	2022.2.1	2022.2.1	2022.2.1	Intel® oneAPI DPC++/C++ Compiler & Intel® C++ Compiler Classic	Intel End User License Agreement for Developer Tools
intel-fortran-rt	–	–	–	–	–	–	–	–	2022.2.1	2022.2.1	2022.2.1	Intel® Fortran Runtime	Intel End User License Agreement for Developer Tools
intel-openmp	2019.3	2019.4	2020.0	2020.0	2020.0	2020.0	2020.0	2020.0	2022.2.1	2022.2.1	2022.2.1	Intel OpenMP parallelization runtime components	Intel Simplified Software License
ipykernel	5.1.0	5.1.2	5.1.4	5.3.4	5.1.1	5.1.1	5.3.4	6.16.0	6.16.0	6.16.0	6.29.5	IPython Kernel for Jupyter	BSD 3-clause
ipython	7.4.0	7.8.0	7.13.0	7.18.1	7.21.0	7.21.0	7.21.0	7.34.0	7.34.0	7.34.0	8.18.1	Productive Interactive Computing	BSD 3-clause
ipython_genutils	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	Vestigial utilities from IPython	BSD
ipywidgets	7.4.2	7.5.1	7.5.1	7.5.1	7.4.2	7.4.2	7.6.5	7.7.2	7.7.2	7.7.2	8.1.5	Jupyter Interactive Widgets	BSD 3-clause
isodate	–	–	–	–	0.6.0	0.6.0	0.6.0	0.6.0	0.6.0	0.6.0	0.6.0	An ISO 8601 date/time/duration parser and formatter	BSD 3-Clause
jdcal	1.4	1.4.1	1.4.1	1.4.1	1.4.1	1.4.1	1.4.1	1.4.1	1.4.1	1.4.1	1.4.1	Julian dates from proleptic Gregorian and Julian calendars	BSD 2-Clause
jedi	0.13.3	0.15.1	0.16.0	0.17.2	0.18.0	0.18.0	0.18.0	0.18.2	0.18.2	0.18.2	0.18.2	An autocompletion tool for Python that can be used for text editors	MIT
jinja2	2.10.1	2.10.1	2.11.2	2.11.2	2.11.3	2.11.3	3.0.3	3.0.3	3.0.3	3.1.3	3.1.4	An easy to use stand-alone template engine	3-Clause BSD
jpeg	–	–	–	9d	9d	9d	9d	9e	9e	9e	9e	Read and write JPEG COM, EXIF, IPTC and metadata	Custom free software license
json5	–	0.8.5	0.9.4	0.9.4	0.9.4	0.9.4	0.9.5	0.9.5	0.9.5	0.9.14	0.9.25	A Python implementation of the JSON5 data format	Apache 2
jsonschema	3.0.1	3.0.2	3.2.0	3.2.0	3.2.0	3.2.0	3.2.0	4.16.0	4.17.3	4.19.2	4.19.2	An implementation of JSON Schema validation for Python	MIT
jsonschema-specifications	–	–	–	–	–	–	–	–	–	2023.7.1	2023.7.1	JSON support files from the JSON Schema Specifications (metaschemas, vocabularies, etc.), packaged for runtime access from Python as a referencing-based Schema Registry.	MIT
jupyter-lsp	–	–	–	–	–	–	–	–	–	–	2.2.0	Multi-Language Server WebSocket proxy for Jupyter Server	BSD-3-Clause
jupyter_client	5.2.4	5.3.1	6.1.2	6.1.7	6.1.7	6.1.7	6.1.7	6.1.12	6.1.12	6.1.12	8.6.0	Jupyter protocol implementation and client libraries	BSD 3-clause
jupyter_console	6.0.0	6.0.0	6.1.0	6.2.0	6.2.0	6.4.0	6.4.0	6.4.2	6.4.2	6.4.2	6.6.3	Jupyter terminal console	BSD 3-Clause
jupyter_contrib_core	–	–	–	0.3.3	0.3.3	0.3.3	0.3.3	0.4.0	0.4.0	0.4.0	–	Jupyter contrib utilities	BSD 3-clause

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
jupyter_contrib_nbextensions	–	–	–	0.5.1	0.5.1	0.5.1	0.5.1	0.6.0	0.6.0	0.6.0	–	A collection of Jupyter nbextensions	BSD 3-clause
jupyter_core	4.4.0	4.5.0	4.6.3	4.6.3	4.6.3	4.6.3	4.6.3	4.11.2	4.11.2	4.11.2	5.5.1	Core common functionality of Jupyter projects	BSD 3-clause
jupyter_events	–	–	–	–	–	–	–	–	–	–	0.10.0	Jupyter Event System library	BSD-3-Clause
jupyter_highlight_selected_word	–	–	–	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	–	Notebook extension for highlighting words	BSD 3-Clause
jupyter_latex_envs	–	–	–	1.4.4	1.4.4	1.4.6	1.4.6	1.4.6	1.4.6	1.4.6	–	An nbextension adding LaTeX commands and environments in markdown cells	BSD 3-Clause
jupyter_nbextensions_configurator	–	–	–	0.4.1	0.4.1	0.4.1	0.4.1	0.4.1	0.4.1	0.4.1	–	A server extension for configuration interfaces for nbextensions	BSD 3-Clause
jupyter_server	–	–	–	–	–	–	–	1.21.0	1.21.0	1.21.0	2.14.2	The core services, APIs, and REST endpoints for Jupyter web applications	BSD-3-Clause
jupyter_server_terminals	–	–	–	–	–	–	–	–	–	–	0.4.4	A Jupyter Server Extension Providing Terminals.	BSD-3-Clause
jupyterlab	0.35.4	1.1.4	2.0.1	2.2.7	2.2.7	2.2.7	2.2.10	3.4.8	3.4.8	3.4.8	4.2.4	JupyterLab computation environment	BSD-3-Clause
jupyterlab_pygments	–	–	–	0.1.1	–	–	–	0.2.2	0.2.2	0.2.2	0.3.0	Syntax coloring theme for pygments using JupyterLab CSS variables	BSD 3-Clause
jupyterlab_server	0.2.0	1.0.6	1.1.0	1.2.0	1.2.0	1.2.0	1.2.0	2.16.0	2.16.0	2.16.0	2.27.3	A Launcher for JupyterLab based applications	BSD 3-Clause
jupyterlab_widgets	–	–	–	–	–	–	1.0.0	3.0.3	3.0.3	3.0.3	3.0.13	Interactive Widgets for the Jupyter Notebook	BSD 3-Clause
keyring	19.0.1	19.0.2	21.2.0	21.4.0	21.4.0	21.4.0	23.4.0	23.4.0	23.4.0	24.3.0	24.3.0	Store and access your passwords safely	MIT
kiwisolver	1.0.1	1.1.0	1.2.0	1.2.0	1.3.1	1.3.1	1.3.2	1.4.2	1.4.4	1.4.4	1.4.4	An efficient C++ implementation of the Cassowary constraint solver	BSD 3-Clause
krb5	–	–	–	–	–	–	–	1.19.2	1.21.1	1.21.2	1.21.3	A network authentication protocol	MIT
lerc	–	–	2.2	2.2	2.2	2.2	3.0	4.0	–	–	–	Limited Error Raster Compression	Apache 2.0
libabseil	–	–	–	–	–	–	–	–	20230125.3	20230125.3	20230125.3	A collection of open-source C++ libraries designed to augment the C++ standard library	Apache-2.0 license
libbrotlicommon	–	–	–	–	–	–	–	1.0.9	1.0.9	1.0.9	1.1.0	Brotli is a generic-purpose lossless compression algorithm, core library	MIT
libbrotlidec	–	–	–	–	–	–	–	1.0.9	1.0.9	1.0.9	1.1.0	Brotli is a generic-purpose lossless compression algorithm, decoding	MIT
libbrotlienc	–	–	–	–	–	–	–	1.0.9	1.0.9	1.0.9	1.1.0	Brotli is a generic-purpose lossless compression algorithm, encoding	MIT
libdeflate	–	–	–	–	–	1.8	1.8	1.8	1.17	1.17	1.20	Heavily optimized library for DEFLATE/zlib/gzip compression	MIT
libpng	1.6.36	1.6.37	1.6.37	1.6.37	1.6.37	1.6.37	1.6.37	1.6.37	1.6.39	1.6.42	1.6.43	The official PNG reference library	zlib/libpng
libprotobuf	–	–	–	–	–	3.13.0.1	3.19.1	3.19.4	3.21.12	3.21.12	3.21.12	Protocol Buffers - Google's data interchange format	New BSD License
libsodium	1.0.16	1.0.18	1.0.18	1.0.18	1.0.18	1.0.18	1.0.18	1.0.18	1.0.18	1.0.18	1.0.18	A modern and easy-to-use crypto library	ISC
libthrift	–	–	–	–	–	–	–	–	0.18.1	0.19.0	0.20.0	Compiler and C++ libraries and headers for the Apache Thrift RPC system	Apache-2.0 license
libtiff	–	–	–	4.1.0	4.1.0	4.3.0	4.3.0	4.5.0	4.5.1	4.6.0	4.6.0	Support for the Tag Image File Format (TIFF)	HPND
libutf8proc	–	–	–	–	–	–	–	–	2.8.0	2.8.0	2.8.0	A clean C library for processing UTF-8 Unicode data	MIT
libxml2	–	–	–	2.9.10	2.9.10	2.9.12	2.9.12	2.10.3	2.10.4	2.12.5	2.12.9	The XML C parser and toolkit of Gnome	MIT

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
libxslt	–	–	–	1.1.34	1.1.34	1.1.34	1.1.34	1.1.37	1.1.37	1.1.39	1.1.42	The XSLT C library developed for the GNOME project	MIT
locket	–	–	–	–	–	–	–	1.0.0	1.0.0	1.0.0	1.0.0	File-based locks for Python for Linux and Windows	BSD 2-Clause
lxml	–	–	–	4.5.2	4.6.3	4.6.3	4.8.0	4.9.1	4.9.1	5.1.0	5.3.0	Pythonic binding for the C libraries libxml2 and libxslt	BSD 3-Clause, GPL-2.0, ZPL-2.0, and ElementTree
lz4	–	–	–	–	–	–	–	3.1.3	3.1.3	4.3.2	4.3.2	Bindings for the lz4 compression library	BSD 3-Clause
lz4-c	–	–	–	1.9.2	1.9.3	1.9.3	1.9.3	1.9.3	1.9.4	1.9.4	1.9.4	Extremely Fast Compression algorithm	BSD 2-clause
markupsafe	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	1.1.1	2.0.1	2.1.1	2.1.1	2.1.3	2.1.3	Implements a XML/HTML/XHTML Markup safe string for Python	BSD 3-Clause
matplotlib	3.0.3	3.1.1	3.2.1	3.3.1	3.3.1	3.4.2	3.4.3	3.6.0	3.6.3	3.6.3	3.6.3	Publication quality figures in Python	PSF-based
matplotlib-base	–	–	–	–	–	–	3.4.3	3.6.0	3.6.3	3.6.3	3.6.3	Publication quality figures in python, base package	PSF-based
matplotlib-inline	–	–	–	–	–	–	–	0.1.6	0.1.6	0.1.6	0.1.6	Supports inline matplotlib plot viewing inside jupyter notebooks	BSD-3-Clause
mccabe	–	–	–	0.6.1	0.6.1	0.6.1	0.7.0	0.7.0	0.7.0	0.7.0	0.7.0	McCabe complexity checker for Python	MIT
mistune	0.8.4	0.8.4	0.8.4	0.8.4	0.8.4	0.8.4	0.8.4	2.0.4	2.0.4	2.0.4	2.0.4	The fastest markdown parser in pure Python with renderer feature	BSD 3-Clause
mkl	2019.3	2019.4	2019.5	2020.0	2020.0	2020.0	2020.0	2020.0	2022.2.1	2022.2.1	2022.2.1	Math library for Intel and compatible processors	proprietary - Intel
mkl-service	–	2.3.0	2.3.0	2.3.0	2.3.0	2.3.0	2.3.0	2.3.0	2.4.0	2.4.0	2.4.1	Python bindings to MKL service functions	3-clause BSD
mkl_fft	1.0.10	1.0.14	1.0.15	1.2.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.1	1.3.1	1.3.10	A NumPy-based interface to Intel MKL FFT functions	BSD
mkl_random	1.0.2	1.0.2	1.1.0	1.2.0	1.2.0	1.2.0	1.2.2	1.2.2	1.2.2	1.2.2	1.2.7	A NumPy-based interface to Intel MKL Random Number Generation functions	BSD
more-itertools	6.0.0	7.2.0	8.2.0	–	–	–	–	–	–	–	–	More routines for operating on iterables, beyond itertools	MIT
mpmath	1.1.0	1.1.0	1.1.0	1.1.0	1.2.1	1.2.1	1.2.1	1.2.1	1.2.1	1.3.0	1.3.0	Python library for arbitrary-precision floating-point arithmetic	BSD 3-Clause
msgpack-python	–	–	–	–	–	–	–	1.0.3	1.0.3	1.0.3	1.0.3	MessagePack (de)serializer	Apache 2.0
msrest	–	–	–	–	0.6.21	0.6.21	0.6.21	0.6.21	0.6.21	0.6.21	0.6.21	AutoRest generated Python client runtime	MIT
munkres	–	–	–	–	–	–	–	1.1.4	1.1.4	1.1.4	–	Munkres algorithm for solving the assignment problem	Apache 2.0
mypy_extensions	–	–	–	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	1.0.0	1.0.0	Experimental type system extensions for programs checked with the mypy typechecker	MIT
nbclassic	–	–	–	–	–	–	–	0.4.8	0.4.8	0.4.8	1.1.0	NBClassic runs the Jupyter NbClassic frontend on the Jupyter Server backend	BSD-3-Clause
nbclient	–	–	–	0.5.0	–	–	–	0.7.0	0.7.0	0.7.0	0.8.0	A client library for programmatic notebook execution	BSD 2-Clause
nbconvert	5.4.1	5.5.0	5.6.1	5.6.1	5.6.1	5.6.1	5.6.1	7.2.1	7.2.1	7.2.1	7.16.4	Converts notebooks to various other formats via Jinja templates	BSD 3-Clause
nbformat	4.4.0	4.4.0	5.0.7	5.0.7	5.0.7	5.1.3	5.1.3	5.6.1	5.6.1	5.6.1	5.10.4	The reference implementation of the Jupyter Notebook format	BSD 3-clause

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
nest-asyncio	–	–	–	1.3.2	–	–	–	1.5.5	1.5.6	1.6.0	1.6.0	Patch asyncio to allow nested event loops	BSD 2-Clause
netcdf4	1.5.0.1	1.5.1.2	1.5.3	1.5.4	1.5.4	1.5.7	1.5.7	1.6.1	1.6.4	1.6.4	1.6.4	Python/numpy interface to netCDF library	MIT
networkx	–	–	2.4	2.5	2.5	2.5	2.7.1	2.8.4	2.8.4	3.1	3.3	Python package for creating and manipulating complex networks	BSD 3-Clause
nlohmann_json	–	–	3.7.0	3.7.0	3.7.0	3.7.0	3.7.0	3.7.0	3.11.2	3.11.2	3.11.2	JSON for Modern C++	MIT
nose	1.3.7	1.3.7	1.3.7	1.3.7	1.3.7	1.3.7	1.3.7	1.3.7	1.3.7	1.3.7	1.3.7	Nose extends unittest to make testing easier	LGPL-2.1
notebook	5.7.8	6.0.1	6.0.3	5.7.10	5.7.10	5.7.10	5.7.10	6.4.12	6.4.12	6.4.12	7.2.1	Web-based notebook environment for interactive computing	BSD 3-Clause
notebook-shim	–	–	–	–	–	–	–	0.1.0	0.1.0	0.1.0	0.2.4	Allow JupyterLab to use Jupyter Server for its application backend	BSD-3-Clause
ntlm-auth	–	–	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	–	Provide NTLM authentication for Python	MIT License
numexpr	2.6.9	2.7.0	2.7.1	2.7.1	2.7.3	2.7.3	2.8.1	2.8.1	2.8.4	2.8.4	2.8.4	Fast numerical expression evaluator for NumPy	MIT
numpy	1.16.2	1.16.5	1.18.1	1.19.1	1.20.1	1.20.1	1.20.1	1.20.1	1.22.4	1.24.3	1.24.3	Array processing for numbers, strings, records, and objects, metapackage	BSD 3-Clause
numpy-base	1.16.2	1.16.5	1.18.1	1.19.1	1.20.1	1.20.1	1.20.1	1.20.1	1.22.4	1.24.3	1.24.3	Array processing for numbers, strings, records, and objects, base package	BSD
oauthlib	–	–	3.1.0	3.1.0	3.1.0	3.1.0	3.2.0	3.2.0	3.2.0	3.2.2	3.2.2	A generic, spec-compliant, thorough implementation of the OAuth request-signing logic	BSD 3-Clause
olefile	–	–	–	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	Parse, read, and write Microsoft OLE2 files	BSD 2-Clause
openpyxl	2.6.1	2.6.2	3.0.3	3.0.5	3.0.7	3.0.7	3.0.9	3.0.10	3.0.10	3.0.10	3.1.2	A Python library to read/write Excel 2010 xlsx/xlsm files	MIT
openssl	1.1.1b	1.1.1d	1.1.1g	1.1.1g	1.1.1i	1.1.1k	3.0.3	3.0.7	3.0.10	3.0.13	3.0.15	OpenSSL is an open-source implementation of the SSL and TLS protocols	OpenSSL
orc	–	–	–	–	–	–	–	–	1.8.3	1.8.3	2.0.0	C++ libraries for Apache ORC	Apache-2.0 license
overrides	–	–	–	–	–	–	–	–	–	–	7.4.0	A decorator to automatically detect mismatch when overriding a method	Apache-2.0
packaging	–	19.1	20.3	20.4	20.9	20.9	21.3	21.3	21.3	23.2	24.1	Core utilities for Python packages	Apache 2.0 or BSD 2-Clause
pandas	0.24.2	0.25.1	1.0.3	1.1.1	1.2.3	1.2.3	1.3.5	1.4.4	2.0.2	2.0.2	2.0.2	Powerful data structures for data analysis, time series, and statistics	BSD 3-clause
pandocfilters	1.4.2	1.4.2	1.4.2	1.4.2	1.4.3	1.4.3	1.5.0	1.5.0	1.5.0	1.5.0	1.5.0	Utilities for writing pandoc filters in python	BSD 3-Clause
parso	0.3.4	0.5.1	0.7.0	0.7.0	0.8.1	0.8.1	0.8.3	0.8.3	0.8.3	0.8.3	0.8.3	A Python source code parser	MIT
partd	–	–	–	–	–	–	–	1.2.0	1.2.0	1.4.1	1.4.1	Data structure for on-disk shuffle operations	BSD 3-Clause
pathspec	–	–	–	0.7.0	0.7.0	0.7.0	0.9.0	0.9.0	0.9.0	0.9.0	0.9.0	A utility library for pattern matching of file paths	Mozilla Public License 2.0
patsy	–	–	–	–	–	–	–	–	0.5.3	0.5.3	0.5.6	Describing statistical models in Python using symbolic formulas	BSD-2-Clause, PSF2
pefile	–	–	–	2019.4.18	2019.4.18	2019.4.18	2019.4.18	2022.5.30	2022.5.30	2022.5.30	2022.5.30	Python module to parse and work with Portable Executable (PE) files	MIT
pickleshare	0.7.5	0.7.5	0.7.5	0.7.5	0.7.5	0.7.5	0.7.5	0.7.5	0.7.5	0.7.5	0.7.5	File system base	p

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
pillow	–	–	–	–	–	8.3.2	9.1.0	9.3.0	9.5.0	10.2.0	10.4.0	Pillow is the friendly PIL fork by Alex Clark and Contributors	PIL
pillow-simd	–	–	–	7.1.2	7.1.2	–	–	–	–	–	–	Image manipulation library for Python (PIL), made fast with SIMD optimizations	BSD + PIL License
pip	19.0.3	19.2.3	20.0.2	20.2.2	21.0.1	21.2.2	21.2.4	22.2.2	23.2.1	23.3.2	23.3.2	PyPA recommended tool for installing Python packages	MIT
platformdirs	–	–	–	–	–	–	2.4.0	2.5.2	2.5.2	3.10.0	3.10.0	A library to determine platform-specific system directories	MIT
pluggy	0.9.0	0.12.0	0.13.1	0.13.1	0.13.1	0.13.1	0.13.1	0.13.1	0.13.1	1.0.0	1.0.0	Plugin registration and hook calling for Python	MIT
pro_notebook_integration	–	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Jupyter extensions to ArcGIS Pro	Apache 2.0
prometheus_client	0.6.0	0.7.1	0.7.1	0.8.0	0.8.0	0.8.0	0.8.0	0.8.0	0.8.0	0.8.0	0.20.0	Python client for the Prometheus monitoring system	Apache 2.0
prompt-toolkit	–	–	–	–	–	–	–	–	–	3.0.42	3.0.47	prompt_toolkit is a library for building powerful interactive command line and terminal applications in Python.	BSD-3-Clause
prompt_toolkit	2.0.9	2.0.9	3.0.5	3.0.5	3.0.5	3.0.5	3.0.5	3.0.5	3.0.5	3.0.42	3.0.47	Library for building powerful interactive command lines in Python	BSD 3-clause
protobuf	–	–	–	–	–	3.13.0.1	3.19.1	3.19.4	3.21.12	4.21.12	4.21.12	Protocol Buffers - Google's data interchange format	BSD 3-Clause
psutil	–	5.6.3	5.7.0	5.7.2	5.8.0	5.8.0	5.8.0	5.9.0	5.9.0	5.9.0	5.9.0	A cross-platform process and system utilities module for Python	BSD 3-Clause
psygnal	–	–	–	–	–	–	–	–	–	–	0.11.0	Pure python implementation of Qt Signals	BSD-3-Clause
pure_eval	–	–	–	–	–	–	–	0.2.2	0.2.2	0.2.2	0.2.2	Safely evaluate AST nodes without side effects	MIT
puremagic	–	–	–	–	–	–	–	–	–	1.15	1.15	puremagic is a pure python module that will identify a file based off it's magic numbers.	MIT
py	1.8.0	1.8.0	1.8.1	1.9.0	1.10.0	1.10.0	1.11.0	–	–	–	–	Library with cross-python path, ini-parsing, io, code, log facilities	MIT
pyarrow	–	–	–	–	1.0.1	1.0.1	1.0.1	1.0.1	12.0.0	15.0.0	16.1.0	Python libraries for Apache Arrow	Apache 2.0
pybind11	–	2.3.0	2.3.0	2.3.0	2.3.0	2.7.1	2.7.1	2.7.1	2.10.4	2.10.4	2.10.4	Seamless operability between C++11 and Python	BSD 3-Clause
pybind11_json	–	–	–	–	–	0.2.6	0.2.6	0.2.6	0.2.13	0.2.13	0.2.13	Using nlohmann::json with pybind11	BSD 3-Clause
pycodestyle	–	–	–	2.6.0	2.6.0	2.6.0	2.8.0	2.8.0	2.8.0	2.11.1	2.11.1	Python style guide checker	MIT
pycparser	2.19	2.19	2.20	2.20	2.20	2.20	2.21	2.21	2.21	2.21	2.21	Complete C99 parser in pure Python	BSD 3-clause
pydantic	–	–	–	–	–	–	–	–	–	–	2.4.2	Data validation and settings management using python type hinting	MIT
pydantic-core	–	–	–	–	–	–	–	–	–	–	2.10.1	Data validation and settings management using python type hinting, core package	MIT
pyflakes	–	–	–	2.2.0	2.2.0	2.2.0	2.4.0	2.4.0	2.4.0	3.2.0	3.2.0	Pyflakes analyzes programs and detects various errors	MIT
pygments	2.3.1	2.4.2	2.6.1	2.7.0	2.7.0	2.9.0	2.9.0	2.9.0	2.14.0	2.17.2	2.18.0	Generic syntax highlighting package	BSD
pyjwt	–	–	1.7.1	1.7.1	2.0.1	2.1.0	2.4.0	2.4.0	2.4.0	2.4.0	2.4.0	JSON Web Token implementation in Python	MIT
pylerc	–	2.0	–	–	–	–	–	–	4.0	4.0	4.0	Python bindings for Limited Error Raster Compression (LERC)	Apache 2.0

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
pyodbc	–	–	–	–	–	4.0.30	4.0.32	4.0.34	4.0.34	5.0.1	5.0.1	DB API Module for ODBC	MIT
pyopenssl	19.0.0	19.0.0	19.1.0	19.1.0	20.0.1	20.0.1	22.0.0	22.0.0	23.2.0	24.0.0	–	Python wrapper module around the OpenSSL library	Apache License, Version 2.0
pyparsing	2.4.0	2.4.2	2.4.7	2.4.7	2.4.7	2.4.7	3.0.4	3.0.9	3.0.9	3.0.9	3.1.2	Create and execute simple grammars	MIT
pypdf	–	–	–	–	–	–	–	–	3.15.0	3.15.0	4.3.1	A library to read and write PDFs with Python	BSD-3-Clause
pypdf2	1.26.0	1.26.0	1.26.0	1.26.0	1.26.0	1.26.0	1.26.0	1.26.0	1.26.0	1.26.0	–	A utility to read and write PDFs with Python	BSD
pyrsistent	0.14.11	0.14.11	0.16.0	0.17.3	0.17.3	0.17.3	0.18.0	0.18.0	0.18.0	–	–	Persistent/Immutable/Functional data structures for Python	MIT
pyshp	1.2.12	1.2.12	2.1.0	2.1.2	2.1.3	2.1.3	2.1.3	2.1.3	2.1.3	2.3.1	2.3.1	Pure Python read/write support for ESRI Shapefile format	MIT
pysocks	1.6.8	1.7.0	1.7.1	1.7.1	1.7.1	1.7.1	1.7.1	1.7.1	1.7.1	1.7.1	1.7.1	A SOCKS proxy client and wrapper for Python	BSD 3-Clause
pyspnego	–	–	–	–	–	–	–	–	0.8.0	0.9.2	0.11.1	Windows Negotiate Authentication Client and Server	MIT
pytest	4.4.0	4.6.5	5.4.1	6.1.1	6.1.1	6.2.4	6.2.4	7.2.0	7.2.0	7.4.3	7.4.3	Simple and powerful testing with Python	MIT
python	3.6.8	3.6.9	3.6.10	3.7.9	3.7.10	3.7.11	3.9.11	3.9.16	3.9.18	3.11.8	3.11.10	General purpose programming language	PSF
python-certifi-win32	–	–	–	1.2	1.2	1.6	1.6	1.6	1.6	–	–	Add windows certificate store to certifi cacerts	BSD
python-dateutil	2.8.0	2.8.0	2.8.1	2.8.1	2.8.1	2.8.1	2.8.2	2.8.2	2.8.2	2.8.2	2.9.0post0	Extensions to the standard Python datetime module	BSD 3 Clause
python-fastjsonschema	–	–	–	–	–	–	–	2.16.2	2.16.2	2.16.2	2.16.2	Fast JSON schema validator for Python	BSD-3-Clause
python-gssapi	–	–	–	–	–	–	–	1.8.1	1.8.2	1.8.3	1.8.3	Provides both low-level and high level wrappers around the GSSAPI C libraries	ISC
python-json-logger	–	–	–	–	–	–	–	–	–	–	2.0.7	A python library adding a json log formatter	BSD-2-Clause
python_abi	–	–	–	–	–	–	3.9	3.9	3.9	–	–	Metapackage to select Python implementation	BSD-3-Clause
pytz	2018.9	2019.2	2019.3	2020.1	2020.1	2020.1	2022.1	2022.6	2022.6	2022.6	2022.6	World timezone definitions, modern and historical	MIT
pywin32-ctypes	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	0.2.0	A limited subset of pywin32 re-implemented using ctypes/cffi	BSD
pywin32-security	–	–	227	228	228	228	302	302	306	306	306	Security subset of Python extensions for Windows	PSF
pywinpty	0.5	0.5	0.5.7	0.5.7	0.5.7	0.5.7	2.0.1	2.0.1	2.0.1	2.0.10	2.0.10	Python bindings for the winpty pseduo terminal library	MIT
pyyaml	–	–	–	5.3.1	5.4.1	5.4.1	6.0	6.0	6.0	6.0.1	6.0.1	YAML parser and emitter for Python	MIT
pyzmq	18.0.0	18.1.0	19.0.0	19.0.2	19.0.2	22.2.1	22.2.1	24.0.1	25.0.2	25.0.2	25.1.2	ZeroMQ bindings for Python	BSD 3-Clause
re2	–	–	–	–	–	–	–	–	2023.06.02	2023.06.02	2023.06.02	RE2 Efficient C++ lib for safe, fast regex; replaces backtracking engines like PCRE,Perl,Python.	BSD-3-Clause license
referencing	–	–	–	–	–	–	–	–	–	0.30.2	0.30.2	An implementation-agnostic implementation of JSON reference resolution.	MIT
regex	–	–	–	2020.7.14	2021.3.17	2021.8.3	2022.3.15	2022.7.9	2022.7.9	2023.10.3	2023.10.3	Alternative regular expression module, to replace re	Python-2.0
requests	2.21.0	2.22.0	2.23.0	2.24.0	2.25.1	2.25.1	2.27.1	2.28.1	2.31.0	2.31.0	2.31.0	Python HTTP for Humans	Apache 2.0
requests-gssapi	–	–	–	–	–	–	–	1.2.3	1.2.3	1.2.3	1.2.3	GSSAPI authentication for Requests	ISC
requests-kerberos	–	–	0.12.0	0.12.0	0.12.0	0.12.0	0.12.0	0.12.0	0.12.0	0.14.0	0.14.0	Kerberos authentication handler for python-requests	Other
requests-negotiate-sspi	–	–	–	0.5.2	0.5.2	0.5.2	0.5.3	0.5.3	0.5.3	–	–	HTTP Negotiate authentication for Requests	Apache License 2.0
requests-oauthlib	–	–	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	2.0.0	OAuthlib authentication support for Requests	ISC

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
requests-toolbelt	–	–	0.9.1	0.9.1	0.9.1	0.9.1	0.9.1	0.9.1	1.0.0	1.0.0	1.0.0	A utility belt for advanced users of python-requests	Apache 2.0
requests_ntlm	–	–	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	–	–	–	–	HTTP NTLM authentication for Requests	ISC
rfc3339-validator	–	–	–	–	–	–	–	–	–	–	0.1.4	A pure python RFC3339 validator	MIT
rfc3986-validator	–	–	–	–	–	–	–	–	–	–	0.1.1	Pure python rfc3986 validator	MIT
rpds-py	–	–	–	–	–	–	–	–	–	0.10.6	0.10.6	Python bindings to the Rust rpds crate for persistent data structures.	MIT
ruamel.yaml	–	–	–	–	–	–	–	–	0.17.21	0.17.21	0.17.21	A YAML package for Python.It's a derivative of Kirill Simonov's PyYAML 3.11 which supports YAML1.1	MIT
ruamel.yaml.clib	–	–	–	–	–	–	–	–	0.2.6	–	–	C version of reader, parser and emitter for ruamel.yaml derived from libyaml	MIT
saspy	–	–	–	–	3.6.1	3.7.3	3.7.8	4.3.2	4.3.2	4.3.2	4.3.2	A Python interface module to the SAS System	Apache 2.0
scipy	1.2.1	1.3.1	1.4.1	1.5.2	1.6.2	1.6.2	1.6.2	1.6.2	1.7.3	1.9.3	1.9.3	Scientific Library for Python	BSD 3-Clause
seaborn	–	–	–	–	–	–	–	0.12.1	0.12.2	0.12.2	0.13.2	Statistical data visualization	BSD 3-Clause
send2trash	1.5.0	1.5.0	1.5.0	1.5.0	1.5.0	1.5.0	1.8.0	1.8.0	1.8.0	1.8.2	1.8.2	Python library to natively send files to Trash (or Recycle bin) on all platforms	BSD-3-Clause
setuptools	41.0.0	41.2.0	46.1.3	49.6.0	52.0.0	52.0.0	60.10.0	65.5.1	67.7.2	68.2.2	74.1.2	Download, build, install, upgrade, and uninstall Python packages	MIT
simplegeneric	0.8.1	0.8.1	0.8.1	0.8.1	0.8.1	0.8.1	0.8.1	–	–	–	–	Define simple single-dispatch generic functions	Zope Public
six	1.12.0	1.12.0	1.14.0	1.15.0	1.15.0	1.15.0	1.16.0	1.16.0	1.16.0	1.16.0	1.16.0	Python 2 and 3 compatibility utilities	MIT
snappy	–	–	–	–	–	–	–	–	1.1.10	1.1.10	1.2.1	A fast compressor/decompressor	BSD 3-clause
sniffio	–	–	–	–	–	–	–	1.2.0	1.2.0	1.3.0	1.3.0	Sniff out which async library your code is running under	MIT
sortedcontainers	–	–	–	–	–	–	–	2.4.0	2.4.0	2.4.0	2.4.0	Python Sorted Container Types: SortedList, SortedDict, and SortedSet	Apache 2.0
soupsieve	–	–	–	–	–	–	–	2.3.2.post1	2.3.2.post1	2.5	2.5	A modern CSS selector implementation for BeautifulSoup	MIT
sqlalchemy	–	–	–	–	–	1.3.19	1.3.12	1.4.39	1.4.39	1.4.51	2.0.32	Database Abstraction Library	MIT
sqlite	3.27.2	3.29.0	3.31.1	3.33.0	3.35.2	3.36.0	3.38.2	3.40.1	3.41.2	3.45.1	3.46.1	Implements a self-contained, zero-configuration, SQL database engine	Public-Domain (http://www.sqlite.org/copyright
sspilib	–	–	–	–	–	–	–	–	–	–	0.1.0	SSPI API bindings for Python	MIT
stack_data	–	–	–	–	–	–	–	0.5.1	0.5.1	0.5.1	0.5.1	Extracts data from stack frames and tracebacks	MIT
statsmodels	–	–	–	–	–	–	–	–	0.14.0	0.14.0	0.14.0	Statistical computations and models	BSD 3-Clause
swat	–	–	–	–	1.8.1	1.9.3	1.9.3	1.12.0	1.13.2	1.13.3	1.13.3	SAS Viya Python Client	Apache 2.0 + SAS Additional Functionality
sympy	1.3	1.4	1.5.1	1.5.1	1.5.1	1.5.1	1.9	1.9	1.9	1.12	1.12	Python library for symbolic mathematics	3-clause BSD
tblib	–	–	–	–	–	–	–	1.7.0	1.7.0	1.7.0	1.7.0	Traceback serialization library	BSD 2-Clause
terminado	0.8.1	0.8.2	0.8.3	0.8.3	0.9.3	0.9.3	0.13.1	0.13.1	0.13.1	0.17.1	0.17.1	Terminals served by tornado websockets	BSD 2-clause
testpath	0.4.2	0.4.2	0.4.4	0.4.4	0.4.4	0.4.4	0.5.0	0.5.0	0.5.0	0.5.0	0.5.0	Testpath is a collection of utilities for Python code working with files and commands	MIT

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
tinycss2	–	–	–	–	–	–	–	1.1.1	1.1.1	1.1.1	1.1.1	A low-level CSS parser and generator written in Python	BSD-3-Clause
toml	–	–	–	0.10.1	0.10.2	0.10.2	0.10.2	0.10.2	0.10.2	0.10.2	0.10.2	Python lib for TOML	MIT
tomli	–	–	–	–	–	–	1.2.2	2.0.1	2.0.1	2.0.1	2.0.1	Tomli is a Python library for parsing TOML	MIT
toolz	–	–	–	–	–	–	–	0.11.2	0.11.2	0.12.0	0.12.0	A functional standard library for Python	BSD 3-Clause
tornado	6.0.2	6.0.3	6.0.4	6.0.4	6.1	6.1	6.1	6.1	6.2	6.3.3	6.3.3	A Python web framework and asynchronous networking library	Apache 2.0
tqdm	–	–	–	–	–	–	–	4.64.1	4.64.1	4.65.0	4.66.5	A Fast, Extensible Progress Meter	MPLv2.0, MIT
traitlets	4.3.2	4.3.2	4.3.3	4.3.3	4.3.3	4.3.3	5.1.1	5.5.0	5.5.0	5.5.0	5.14.3	Configuration system for Python applications	BSD 3-clause
truststore	–	–	–	–	–	–	–	–	–	0.7.0	0.9.1	Truststore is a library which exposes native system certificate stores through an ssl.SSLContext-like API.	MIT
typed-ast	–	–	–	1.4.1	1.4.2	1.4.2	1.4.3	1.4.3	1.4.3	–	–	A fork of Python 2 and 3 AST modules with type comment support	Apache 2.0
typing-extensions	–	–	–	–	–	–	4.1.1	4.3.0	4.3.0	4.9.0	4.11.0	Backported and Experimental Type Hints for Python	PSF-2.0
typing_extensions	–	–	–	3.7.4.3	3.7.4.3	3.7.4.3	4.1.1	4.3.0	4.3.0	4.9.0	4.11.0	Backported and Experimental Type Hints for Python	PSF-2.0
tzdata	–	–	–	–	–	–	2021e	2022e	2023c	2024a	2024a	Supplements timezone data parsing, also used by pandas and arrow	Apache 2.0
ujson	–	–	–	3.1.0	4.0.2	4.0.2	5.1.0	5.4.0	5.4.0	5.4.0	5.4.0	Ultra fast JSON encoder and decoder for Python	BSD
unicodedata2	–	–	–	–	–	–	–	–	–	–	15.1.0	unicodedata backport/updates to python 3 and python 2.	Apache-2.0
urllib3	1.24.1	1.24.2	1.25.8	1.25.10	1.26.4	1.26.6	1.26.8	1.26.12	1.26.16	2.1.0	2.2.2	HTTP library with thread-safe connection pooling, file post, and more	MIT
vc	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	A meta-package to impose mutual exclusivity among software built with different VS versions	Modified BSD License (3-clause)
vs2015_runtime	14.15.26706	14.16.27012	14.16.27012	14.16.27012	14.16.27012	14.16.27012	14.27.29016	14.27.29016	14.27.29016	14.27.29016	14.27.29016	Bundles of the MSVC 14 (VS 2015) runtime	Proprietary
watchfiles	–	–	–	–	–	–	–	–	–	–	0.21.0	Simple, modern and high performance file watching and code reload in python.	MIT
wcwidth	0.1.7	0.1.7	0.1.9	0.2.5	0.2.5	0.2.5	0.2.5	0.2.5	0.2.5	0.2.5	0.2.5	Measures number of Terminal column cells of wide-character codes	MIT
webencodings	0.5.1	0.5.1	0.5.1	0.5.1	0.5.1	0.5.1	0.5.1	0.5.1	0.5.1	0.5.1	0.5.1	Character encoding for the web	BSD 3-Clause
websocket-client	–	–	–	–	–	–	–	0.58.0	0.58.0	0.58.0	1.8.0	websocket-client is a WebSocket client for Python. It provides access to low level APIs for WebSockets	Apache 2.0
wheel	0.33.1	0.33.6	0.34.2	0.35.1	0.36.2	0.36.2	0.37.1	0.37.1	0.37.1	0.41.2	0.44.0	A built-package format for Python	MIT
widgetsnbextension	3.4.2	3.5.1	3.5.1	3.5.1	3.4.2	3.4.2	3.5.2	3.6.1	3.6.1	3.6.1	4.0.13	Interactive Widgets for Jupyter	BSD 3-clause
win_inet_pton	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	1.1.0	Native inet_pton and inet_ntop implementation for Python on Windows	PUBLIC-DOMAIN
wincertstore	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	–	–	Python module to extract CA and CRL certs from Windows' cert store	PSF
winkerberos	0.7.0	0.7.0	0.7.0	0.7.0	0.7.0	0.7.0	0.8.0	0.8.0	0.8.0	0.9.1	0.9.1	A native Kerberos client implementation for Python on Windows	Apache 2.0

Library Name	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	Summary	License
winpty	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	0.4.3	An Interface similar to a Unix pty-master for communicating with Windows console programs	MIT
wrapt	–	–	–	1.12.1	1.12.1	1.12.1	1.13.3	1.14.1	1.14.1	–	1.14.1	Module for decorators, wrappers and monkey patching	BSD 2-Clause
x86cpu	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	–	–	Uses cpuid instructions to get information about your CPU	BSD 2-clause
xarray	–	–	0.15.1	0.16.0	0.17.0	0.17.0	0.20.1	0.20.1	0.20.1	2023.6.0	2023.6.0	N-D labeled arrays and datasets in Python	Apache 2.0
xeus	–	0.23.2	0.23.2	0.24.1	0.24.1	0.24.1	0.24.1	0.24.1	3.0.5	3.0.5	3.0.5	A C++ implementation of the Jupyter kernel protocol	BSD 3-Clause
xeus-python	–	–	–	–	–	0.8.2	0.8.2	0.8.2	0.15.8	0.15.8	0.15.8	A Jupyter kernel for the Python programming language based on Xeus	BSD 3-Clause
xeus-python-shell	–	–	–	–	–	–	–	–	–	–	0.6.3	The xeus-python core python logic.	BSD-3-Clause
xeus-python-shell-raw	–	–	–	–	–	–	–	–	–	–	0.6.3	The xeus-python core python logic.	BSD-3-Clause
xeus-zmq	–	–	–	–	–	–	–	–	1.0.2	1.0.2	1.0.2	ZeroMQ-based middleware for xeus	BSD-3-Clause
xlrd	1.2.0	1.2.0	1.2.0	1.2.0	1.2.0	1.2.0	2.0.1	2.0.1	2.0.1	2.0.1	2.0.1	Extract data from Microsoft Excel spreadsheet files	BSD 3-Clause
xlwt	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	1.3.0	Writing data and formatting information to Excel files	BSD
xtl	–	–	0.6.5	0.6.5	0.6.5	0.6.15	0.6.15	0.6.15	0.7.5	0.7.5	0.7.5	Basic tools (containers, algorithms) for quantstack packages	BSD 3-Clause
xz	–	–	–	5.2.5	5.2.5	5.2.5	5.2.5	5.2.8	5.4.2	5.4.6	5.4.7	Data compression software with high compression ratio	LGPL-2.1 and GPL-2.0
yaml	–	–	–	0.2.5	0.2.5	0.2.5	0.2.5	0.2.5	0.2.5	0.2.5	0.2.5	A C library for parsing and emitting YAML	MIT
zeromq	4.3.1	4.3.2	4.3.2	4.3.2	4.3.2	4.3.4	4.3.4	4.3.4	4.3.4	4.3.5	4.3.5	A high-performance asynchronous messaging library	LGPL 3
zict	–	–	–	–	–	–	–	2.1.0	3.0.0	3.0.0	3.0.0	Composable Dictionary Classes	BSD 3-Clause
zipp	–	0.5.2	3.1.0	3.1.0	3.4.1	3.4.1	3.7.0	3.8.0	3.8.0	3.17.0	3.17.0	A pathlib-compatible Zipfile object wrapper	MIT
zlib	1.2.11	1.2.11	1.2.11	1.2.11	1.2.11	1.2.11	1.2.12	1.2.13	1.2.13	1.3.1	1.3.1	Unobtrusive compression library	zlib
zlib-ng	–	–	–	–	–	–	2.0.5	2.0.6	2.0.7	2.1.6	2.1.6	zlib data compression library for the next generation systems	zlib
zstd	–	–	–	1.4.5	1.4.5	1.4.9	1.4.9	1.5.2	1.5.5	1.5.5	1.5.6	Zstandard - Fast real-time compression algorithm	BSD 3-Clause