



1.0

ArcGIS® Notebooks

Python Libraries Manifest

ArcGIS® Notebooks provides a spatially optimized Jupyter experience to create, share, and run data science, data management, and administrative scripts.

With ArcGIS Notebooks, you can perform analysis, automate workflows, and immediately visualize data and analysis results in a geographic context. It is an efficient, modern environment that combines code, real-time visualizations and maps, and data tools.

ArcGIS Notebooks features the ArcGIS Python libraries, ArcGIS API for Python, and ArcPy. ArcGIS Notebooks also includes access to hundreds of open-source Python libraries and packages.

This publication provides a complete list of the Python libraries—including their versions—that are packaged in the ArcGIS Notebooks for runtime version 1.0.

ArcGIS Notebooks Runtime

Python 3 Standard Version 1.0

RELEASED

March 21, 2019

TOTAL PACKAGES

281

SUPPORTED IN

ArcGIS Enterprise 10.7

With ArcGIS Enterprise you can customize your notebook environment. Learn more at the [ArcGIS Notebook Server website](#).

Library Name	Version
_tflow_select	2.3.0
absl-py	0.7.0
affine	2.2.2
alembic	1.0.6
arcgis	1.6.0
asn1crypto	0.24.0
astor	0.7.1
async_generator	1.1
attrs	18.2.0
backcall	0.1.0
beautifulsoup4	4.6.3
blas	1
bleach	3.1.0
blosc	1.15.0
bokeh	0.13.0
boto3	1.9.82
botocore	1.12.82
bottleneck	1.2.1
bzip2	1.0.6
c-ares	1.15.0
ca-certificates	2019.1.23
cairo	1.14.12
certifi	2018.11.29
cfffi	1.11.5
chardet	3.0.4
click	7
click-plugins	1.0.4
cligj	0.5.0
cloudpickle	0.5.6
colorlover	0.2.1
conda	4.6.2
conda-env	2.6.0
configurable-http-proxy	1.3.0
cryptography	2.4.2
cufflinks-py	0.13.0
curl	7.63.0
cycler	0.10.0
cymem	2.0.2
cython	0.28.5
cytoolz	0.9.0.1
dask	0.19.4
dask-core	0.19.4
dask-glm	0.1.0
dask-ml	0.10.0
dask-searchcv	0.2.0
dataclasses	0.6
decorator	4.3.0
defusedxml	0.5.0
dill	0.2.8.2
distributed	1.25.3

Library Name	Version
docutils	0.14
entrypoints	0.3
expat	2.2.6
fastai	1.0.39
fastcache	1.0.2
fastprogress	0.1.19
ffmpeg	4
fiona	1.7.12
fontconfig	2.13.0
freelut	3.0.0
freetype	2.9.1
freexl	1.0.5
gast	0.2.2
gdal	2.2.4
geos	3.6.2
giflib	5.1.4
glib	2.56.2
gmp	6.1.2
gmpy2	2.0.8
graphite2	1.3.13
grpcio	1.16.1
h5py	2.8.0
harfbuzz	1.8.8
hdf4	4.2.13
hdf5	1.10.2
heapdict	1.0.0
holoviews	1.10.7
html5lib	1.0.1
icu	58.2
idna	2.8
imageio	2.4.1
intel-openmp	2019.1
ipykernel	5.1.0
ipython	7.2.0
ipython_genutils	0.2.0
ipywidgets	7.3.1
jasper	2.0.14
jedi	0.13.2
jeepney	0.4
jinjia2	2.1
jmespath	0.9.3
joblib	0.13.1
jpeg	9b
json-c	0.13.1
jsonschema	2.6.0
jupyter	1.0.0
jupyter_client	5.2.4
jupyter_console	6.0.0
jupyter_core	4.4.0
jupyterhub	0.9.4

Library Name	Version
jupyterlab	0.35.3
jupyterlab_server	0.2.0
kealib	1.4.7
keras	2.2.4
keras-applications	1.0.6
keras-base	2.2.4
keras-preprocessing	1.0.5
keyring	13.2.1
kiwisolver	1.0.1
krb5	1.16.1
libboost	1.67.0
libcurl	7.63.0
libdap4	3.19.1
libedit	3.1.20181209
libffi	3.2.1
libgcc-ng	8.2.0
libgdal	2.2.4
libgfortran-ng	7.3.0
libglu	9.0.0
libgpparray	0.7.6
libkml	1.3.0
libnetcdf	4.6.1
libopencv	3.4.2
libopus	1.3
libpng	1.6.36
libpq	11.1
libprotobuf	3.6.1
libsodium	1.0.16
libspatialite	4.3.0a
libssh2	1.8.0
libstdcxx-ng	8.2.0
libtiff	4.0.10
libuuid	1.0.3
libvpx	1.7.0
libxcb	1.13
libxml2	2.9.9
libxslt	1.1.33
llvmlite	0.23.2
locket	0.2.0
lxml	4.2.3
mako	1.0.7
markdown	3.0.1
markupsafe	1.1.0
matplotlib	3.0.1
mistune	0.8.4
mkl	2019.1
mkl-service	1.1.2
mkl_fft	1.0.10
mkl_random	1.0.2
mpc	1.1.0

02
03
04
05

ArcGIS Notebooks Runtime

Python 3 Standard Version 1.0

Library Name	Version	Library Name	Version	Library Name	Version
mpfr	4.0.1	pyparser	2.19	tensorflow-base	1.12.0
mpmath	1.1.0	pycurl	7.43.0.2	termcolor	1.1.0
msgpack-numpy	0.4.3.2	pygments	2.3.1	terminado	0.8.1
msgpack-python	0.6.1	pygpu	0.7.6	testpath	0.4.2
multipledispatch	0.6.0	pymc3	3.5	theano	1.0.3
munch	2.3.2	pyopenssl	18.0.0	thinc	6.12.1
murmurhash	1.0.1	yparsing	2.3.1	tini	0.18.0
nb_conda	2.2.1	pyshp	1.2.12	tk	8.6.8
nb_conda_kernels	2.2.0	pysocks	1.6.8	toolz	0.9.0
nbconvert	5.4.0	pytables	3.4.4	torchvision	0.2.1
nbformat	4.4.0	python	3.6.8	tornado	5.1.1
ncurses	6.1	python-dateutil	2.7.5	tqdm	4.29.1
networkx	2.2	python-editor	1.0.3	traitlets	4.3.2
ninja	1.8.2	python-oauth2	1.1.0	typing	3.6.4
nodejs	10.13.0	pytorch	1.0.0	ujson	1.35
notebook	5.7.4	pytz	2018.9	urllib3	1.24.1
numba	0.38.1	pyviz_comms	0.7.0	vincent	0.4.4
numexpr	2.6.9	pywavelets	1.0.1	wcwidth	0.1.7
numpy	1.15.4	pyyaml	3.13	webencodings	0.5.1
numpy-base	1.15.4	pyzmq	17.1.2	werkzeug	0.14.1
nvidia-ml-py3	7.352.0	rasterio	0.36.0	wheel	0.32.3
olefile	0.46	rasterstats	0.13.0	widetsnbextension	3.3.1
opencv	3.4.2	readline	7	wrapt	1.10.11
openjpeg	2.3.0	regex	2018.01.10	xerces-c	3.2.2
openssl	1.1.1a	requests	2.21.0	xlrd	1.2.0
packaging	18	retrying	1.3.3	xz	5.2.4
pamela	0.3.0	rise	5.4.1	yaml	0.1.7
pandas	0.23.4	ruamel_yaml	0.15.46	zeromq	4.2.5
pandocfilters	1.4.2	s3transfer	0.1.13	zict	0.1.3
param	1.8.2	scikit-image	0.14.1	zlib	1.2.11
parso	0.3.1	scikit-learn	0.20.2	zstd	1.3.7
partd	0.3.9	scipy	1.1.0		
patsy	0.5.1	seaborn	0.9.0		
pcre	8.42	secretstorage	3.1.0		
pexpect	4.6.0	send2trash	1.5.0		
pickleshare	0.7.5	setuptools	40.6.3		
pillow	5.4.1	shapely	1.6.4		
pip	18.1	simplejson	3.16.0		
pixman	0.36.0	six	1.12.0		
plac	0.9.6	snappy	1.1.7		
plotly	3.2.1	snuggs	1.4.2		
prshed	2.0.1	sortedcontainers	2.1.0		
proj4	4.9.3	spacy	2.0.18		
prometheus_client	0.5.0	sqlalchemy	1.2.16		
prompt_toolkit	2.0.7	sqlite	3.26.0		
protobuf	3.6.1	statsmodels	0.9.0		
psutil	5.5.0	sympy	1.2		
ptyprocess	0.6.0	tblib	1.3.2		
py-opencv	3.4.2	tensorboard	1.12.2		
pycosat	0.6.3	tensorflow	1.12.0		

02
03
04
05

ArcGIS Notebooks Runtime

Python 3 Advanced Version 1.0

RELEASED

March 21, 2019

TOTAL PACKAGES

291

SUPPORTED IN

ArcGIS Enterprise 10.7

With ArcGIS Enterprise you can customize your notebook environment. Learn more at the [ArcGIS Notebook Server website](#).

Library Name	Version
_tflow_select	2.3.0
absl-py	0.7.0
affine	2.2.2
alembic	1.0.6
arcgis	1.6.0
arcgis-server-py3	10.7.0
asn1crypto	0.24.0
astor	0.7.1
async_generator	1.1
attrs	18.2.0
backcall	0.1.0
beautifulsoup4	4.6.3
blas	1
blosc	1.15.0
bokeh	0.13.0
boto3	1.9.82
botocore	1.12.82
bottleneck	1.2.1
bzip2	1.0.6
c-ares	1.15.0
ca-certificates	2019.1.23
cairo	1.14.12
certifi	2018.11.29
cfffi	1.11.5
cftime	1.0.3.4
chardet	3.0.4
click	7
click-plugins	1.0.4
cligj	0.5.0
cloudpickle	0.5.6
colorlover	0.2.1
conda	4.6.2
conda-env	2.6.0
configurable-http-proxy	1.3.0
cryptography	2.4.2
cufflinks-py	0.13.0
curl	7.63.0
cycler	0.10.0
cymem	2.0.2
cython	0.28.5
cytoolz	0.9.0.1
dask	0.19.4
dask-core	0.19.4
dask-glm	0.1.0
dask-ml	0.10.0
dask-searchcv	0.2.0
dataclasses	0.6
decorator	4.3.0
defusedxml	0.5.0
dill	0.2.8.2

Library Name	Version
distributed	1.25.3
docutils	0.14
entrypoints	0.3
et_xmlfile	1.0.1
expat	2.2.6
fastai	1.0.39
fastcache	1.0.2
fastprogress	0.1.19
ffmpeg	4
fiona	1.7.12
fontconfig	2.13.0
freelut	3.0.0
freetype	2.9.1
freexl	1.0.5
future	0.17.1
gast	0.2.2
gdal	2.2.4
geos	3.6.2
giflib	5.1.4
glib	2.56.2
gmp	6.1.2
gmpy2	2.0.8
graphite2	1.3.13
grpcio	1.16.1
h5py	2.8.0
harfbuzz	1.8.8
hdf4	4.2.13
hdf5	1.10.2
heapdict	1.0.0
holoviews	1.10.7
html5lib	1.0.1
icu	58.2
idna	2.8
imageio	2.4.1
intel-openmp	2019.1
ipykernel	5.1.0
ipython	7.2.0
ipython_genutils	0.2.0
ipywidgets	7.3.1
jasper	2.0.14
jdcal	1.4
jedi	0.13.2
jeepney	0.4
jinja2	2.1
jmespath	0.9.3
joblib	0.13.1
jpeg	9b
json-c	0.13.1
jsonschema	2.6.0
jupyter	1.0.0

Library Name	Version
jupyter_client	5.2.4
jupyter_console	6.0.0
jupyter_core	4.4.0
jupyterhub	0.9.4
jupyterlab	0.35.3
jupyterlab_server	0.2.0
kealib	1.4.7
keras	2.2.4
keras-applications	1.0.6
keras-base	2.2.4
keras-preprocessing	1.0.5
keyring	13.2.1
kiwisolver	1.0.1
krb5	1.16.1
libboost	1.67.0
libcurl	7.63.0
libdap4	3.19.1
libedit	3.1.20181209
libffi	3.2.1
libgcc-ng	8.2.0
libgdal	2.2.4
libgfortran-ng	7.3.0
libglu	9.0.0
libgpparray	0.7.6
libkml	1.3.0
libnetcdf	4.6.1
libopencv	3.4.2
libopus	1.3
libpng	1.6.36
libpq	11.1
libprotobuf	3.6.1
libsodium	1.0.16
libspatialite	4.3.0a
libssh2	1.8.0
libstdcxx-ng	8.2.0
libtiff	4.0.10
libuuid	1.0.3
libvpx	1.7.0
libxcb	1.13
libxml2	2.9.9
libxslt	1.1.33
llvmlite	0.23.2
locket	0.2.0
lxml	4.2.3
mako	1.0.7
markdown	3.0.1
markupsafe	1.1.0
matplotlib	3.0.1
mistune	0.8.4
mkl	2019.1

02
03
04
05

ArcGIS Notebooks Runtime

Python 3 Advanced Version 1.0

Library Name	Version	Library Name	Version	Library Name	Version
mkl-service	1.1.2	prometheus_client	0.5.0	sortedcontainers	2.1.0
mkl_fft	1.0.10	prompt_toolkit	2.0.7	spacy	2.0.18
mkl_random	1.0.2	protobuf	3.6.1	sqlalchemy	1.2.16
mpc	1.1.0	psutil	5.5.0	sqlite	3.26.0
mpfr	4.0.1	ptyprocess	0.6.0	statsmodels	0.9.0
mpmath	1.1.0	py	1.7.0	sympy	1.2
msgpack-numpy	0.4.3.2	py-opencv	3.4.2	tblib	1.3.2
msgpack-python	0.6.1	pycosat	0.6.3	tensorboard	1.12.2
multipledispatch	0.6.0	pyparsing	2.19	tensorflow	1.12.0
munch	2.3.2	pycurl	7.43.0.2	tensorflow-base	1.12.0
murmurhash	1.0.1	pygments	2.3.1	termcolor	1.1.0
nb_conda	2.2.1	pygpu	0.7.6	terminado	0.8.1
nb_conda_kernels	2.2.0	pymc3	3.5	testpath	0.4.2
nbconvert	5.4.0	pyopenssl	18.0.0	theano	1.0.3
nbformat	4.4.0	pyparsing	2.3.1	thinc	6.12.1
ncurses	6.1	pypdf2	1.26.0	tini	0.18.0
netcdf4	1.4.2	pyshp	1.2.12	tk	8.6.8
networkx	2.2	pysocks	1.6.8	toolz	0.9.0
ninja	1.8.2	pytables	3.4.4	torchvision	0.2.1
nodejs	10.13.0	python	3.6.8	tornado	5.1.1
nose	1.3.7	python-dateutil	2.7.5	tqdm	4.29.1
notebook	5.7.4	python-editor	1.0.3	traitlets	4.3.2
numba	0.38.1	python-oauth2	1.1.0	typing	3.6.4
numexpr	2.6.9	pytorch	1.0.0	ujson	1.35
numpy	1.15.4	pytz	2018.9	urllib3	1.24.1
numpy-base	1.15.4	pyviz_comms	0.7.0	vincent	0.4.4
nvidia-ml-py3	7.352.0	pywavelets	1.0.1	wcwidth	0.1.7
olefile	0.46	pyyaml	3.13	webencodings	0.5.1
opencv	3.4.2	pyzmq	17.1.2	werkzeug	0.14.1
openjpeg	2.3.0	rasterio	0.36.0	wheel	0.32.3
openpyxl	2.5.14	rasterstats	0.13.0	widetsnbextension	3.3.1
openssl	1.1.1a	readline	7	wrapt	1.10.11
packaging	18	regex	2018.01.10	xerces-c	3.2.2
pamela	0.3.0	requests	2.21.0	xlrd	1.2.0
pandas	0.23.4	retrying	1.3.3	xlwt	1.3.0
pandocfilters	1.4.2	rise	5.4.1	xz	5.2.4
param	1.8.2	ruamel_yaml	0.15.46	yaml	0.1.7
parso	0.3.1	s3transfer	0.1.13	zeromq	4.2.5
partd	0.3.9	scikit-image	0.14.1	zict	0.1.3
patsy	0.5.1	scikit-learn	0.20.2	zlib	1.2.11
pcre	8.42	scipy	1.1.0	zstd	1.3.7
pexpect	4.6.0	seaborn	0.9.0		
pickleshare	0.7.5	secretstorage	3.1.0		
pillow	5.4.1	send2trash	1.5.0		
pip	18.1	setuptools	40.6.3		
pixman	0.36.0	shapely	1.6.4		
plac	0.9.6	simplejson	3.16.0		
plotly	3.2.1	six	1.12.0		
prshed	2.0.1	snappy	1.1.7		
proj4	4.9.3	snuggs	1.4.2		