

## Requisitos (pacotes e versões utilizados):

automat==20.2.0	anyio==3.5.0	conda-package-handling==2.2.0
babel==2.11.0	appdirs==1.4.4	conda-package-streaming==0.9.0
bottleneck==1.3.5	argon2-cffi==21.3.0	conda-repo-cli==1.0.75
flask==2.2.2	argon2-cffi-bindings==21.2.0	conda-token==0.4.0
heapdict==1.0.1	arrow==1.2.3	conda-verify==3.4.2
jinja2==3.1.2	astroid==2.14.2	constantly==15.1.0
markdown==3.4.1	astropy==5.1	contourpy==1.0.5
markupsafe==2.1.1	asttokens==2.0.5	cookiecutter==1.7.3
pillow==9.4.0	async-timeout==4.0.2	cryptography==41.0.3
protego==0.1.16	atomicwrites==1.4.0	cssselect==1.1.0
pydispatcher==2.0.5	attrs==22.1.0	cycler==0.11.0
pyjwt==2.4.0	autopep8==1.6.0	cytoolz==0.12.0
pynacl==1.5.0	backcall==0.2.0	daal4py==2023.1.1
pyqt5==5.15.7	backports.functools-lru-cache==1.6.4	dask==2023.6.0
pyqt5-sip==12.11.0	backports.tempfile==1.0	datasets==2.12.0
pyqtwebengine==5.15.4	backports.weakref==1.0.post1	datashader==0.15.2
pysocks==1.7.1	bcrypt==3.2.0	datashape==0.5.4
pywavelets==1.4.1	beautifulsoup4==4.12.2	debugpy==1.6.7
pyyaml==6.0	binaryornot==0.4.4	decorator==5.1.1
pygments==2.15.1	black==0.0	defusedxml==0.7.1
qdarkstyle==3.0.2	bleach==4.1.0	diff-match-patch==20200713
qtawesome==1.2.2	bokeh==3.2.1	dill==0.3.6
qtpy==2.2.0	boltons==23.0.0	distributed==2023.6.0
rtree==1.0.1	botocore==1.29.76	docstring-to-markdown==0.11
sqlalchemy==1.4.39	brotlipy==0.7.0	docutils==0.18.1
scrapy==2.8.0	certifi==2023.7.22	entrypoints==0.4
send2trash==1.8.0	cffi==1.15.1	et-xmlfile==1.1.0
sphinx==5.0.2	chardet==4.0.0	executing==0.8.3
tbb==0.2	charset-normalizer==2.0.4	fastjsonschema==2.16.2
twisted==22.10.0	click==8.0.4	filelock==3.9.0
unidecode==1.2.0	cloudpickle==2.2.1	flake8==6.0.0
werkzeug==2.2.3	clyent==1.2.2	fonttools==4.25.0
aiobotocore==2.5.0	colorama==0.4.6	frozenset==1.3.3
aiofiles==22.1.0	colorcet==3.0.1	fsspec==2023.4.0
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aioitertools==0.7.1	conda==23.7.4	gensim==4.3.0
aiosignal==1.2.0	conda-build==3.26.1	glob2==0.7
aiosqlite==0.18.0	conda-content-trust==0.2.0	greenlet==2.0.1
alabaster==0.7.12	conda-index==0.3.0	h5py==3.9.0
anaconda-anon-usage==0.4.2	conda-libmamba-solver==23.7.0	holoviews==1.17.1
anaconda-catalogs==0.2.0	conda-pack==0.6.0	huggingface-hub==0.15.1
anaconda-client==1.12.1		hvplot==0.8.4
anaconda-cloud-auth==0.1.3		hyperlink==21.0.0
anaconda-navigator==2.5.0		
anaconda-project==0.11.1		

idna==3.4	jupyterlab-server==2.22.0	notebook-shim==0.2.2
imagecodecs==2023.1.23	jupyterlab-widgets==3.0.5	numba==0.57.1
imageio==2.26.0	kaleido==0.2.1	numexpr==2.8.4
imagesize==1.4.1	keyring==23.13.1	numpy==1.24.3
imbalanced-learn==0.10.1	kiwisolver==1.4.4	numpydoc==1.5.0
importlib-metadata==6.0.0	lazy-loader==0.2	openpyxl==3.0.10
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intake==0.6.8	linkify-it-py==2.0.0	panel==1.2.3
intervaltree==3.1.0	llvmlite==0.40.0	param==1.13.0
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jedi==0.18.1	mdurl==0.1.0	pickleshare==0.7.5
jellyfish==1.0.1	menuinst==1.4.19	pip==23.2.1
jinja2-time==0.2.0	mistune==0.8.4	pkce==1.0.3
jmespath==0.10.0	mk1-fft==1.3.8	pkginfo==1.9.6
joblib==1.2.0	mk1-random==1.2.4	platformdirs==3.10.0
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jupyter-server-ydoc==0.8.0	nbclassic==0.5.5	pyarrow==11.0.0
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		pyerfa==2.0.0
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		pylint-venv==2.3.0
		pyls-spyder==0.4.0

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python-json-logger==2.0.7	sniffio==1.2.0	w3lib==1.21.0
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python-snappy==0.6.1	sphinxcontrib-devh elp==1.0.2	websocket-client==0.58.0
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pytz==2023.3.post1	sphinxcontrib-jsma th==1.0.1	wheel==0.38.4
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	transformers==4.32.1	