**Tool Metadata Report (by MetadataFetcher)**

**1. General Information**

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| **Name** | jupyterlab |
| **Use Case** | Data Science and Analytics Tools |
| **Homepage** | https://pypi.org/project/jupyterlab/ |
| **Description** | JupyterLab computational environment |

**2. Documentation**

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| **Main Documentation** | https://jupyterlab.readthedocs.io |
| **Top Documentation Links** | https://jupyterlab.readthedocs.io |

**3. Installation**

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| --- | --- |
| **Installation Links** | https://jupyterlab.readthedocs.io/en/stable/getting\_started/changelog.html https://docs.python.org/3/installing/index.html http://jupyterlab.readthedocs.io/en/stable/getting\_started/installation.html http://jupyterlab.readthedocs.io/en/stable/getting\_started/starting.html https://jupyterlab.readthedocs.io/en/stable/getting\_started/issue.html https://packaging.python.org/tutorials/installing-packages/ https://pip.pypa.io/en/stable/topics/secure-installs/#hash-checking-mode https://github.com/jupyterlab/jupyterlab/edit/4.4.x/docs/source/getting\_started/changelog.md https://github.com/python/cpython/blob/main/Doc/installing/index.rst https://packaging.python.org/installing/#creating-virtual-environments https://packaging.python.org/installing/ https://packaging.python.org/installing/#requirements-for-installing-packages https://packaging.python.org/science/ https://packaging.python.org/en/latest/tutorials/installing-packages/#ensure-pip-setuptools-and-wheel-are-up-to-date https://github.com/jupyterlab/jupyterlab-desktop#installation https://docs.docker.com/install/ https://jupyter-docker-stacks.readthedocs.io/en/latest/ https://github.com/jupyterlab/jupyterlab/edit/4.4.x/docs/source/getting\_started/installation.rst https://github.com/jupyterlab/jupyterlab/edit/4.4.x/docs/source/getting\_started/starting.rst https://github.com/jupyterlab/jupyterlab/edit/4.4.x/docs/source/getting\_started/issue.rst https://github.com/pypa/packaging.python.org/blob/main/source/tutorials/installing-packages.rst?plain=true https://github.com/pypa/packaging.python.org/edit/main/source/tutorials/installing-packages.rst https://docs.python-guide.org/starting/installation/#installation https://opentechschool.github.io/python-beginners/en/getting\_started.html#what-is-python-exactly https://pip.pypa.io/en/latest/cli/pip\_install/#install-no-binary https://pip.pypa.io/en/latest/user\_guide/#user-installs https://setuptools.pypa.io/en/latest/userguide/development\_mode.html https://github.com/pypa/pip/issues/1668 |
| **Installation Summary** | **pip:**  Command: pip install SomePackage  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install SomePackage==1.0.4 # specific version  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install "SomePackage>=1.0.4" # minimum version  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --upgrade SomePackage  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install SomePackage # default Python 2  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install SomePackage # specifically Python 2.7  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install SomePackage # default Python 3  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install SomePackage # specifically Python 3.4  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --upgrade pip setuptools wheel  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install --upgrade SomeProject  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install --user SomeProject  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install -r requirements.txt  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install -e SomeProject @ git+https://git.repo/some\_pkg.git # from git  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install -e SomeProject @ hg+https://hg.repo/some\_pkg # from mercurial  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install -e SomeProject @ svn+svn://svn.repo/some\_pkg/trunk/ # from svn  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install -e SomeProject @ git+https://git.repo/some\_pkg.git@feature # from a branch  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --index-url http://my.package.repo/simple/ SomeProject  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install --extra-index-url http://my.package.repo/simple SomeProject  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install -e  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install ./downloads/SomeProject-1.0.4.tar.gz  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --no-index --find-links=file:///local/dir/ SomeProject  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --no-index --find-links=/local/dir/ SomeProject  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --no-index --find-links=relative/dir/ SomeProject  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --pre SomeProject  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip installation command:  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --no-deps .  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --no-deps -e .  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install quux  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install bar  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install - pip documentation v25.2.dev0  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install has several stages:  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip installs dependencies before their dependents, i.e. in  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install Examples  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install --user SomePackage  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install --user SomePackage==0.4  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install --user --upgrade SomePackage  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip install --user --ignore-installed SomePackage  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: Use to upgrade to the latest version.  **pip:**  Command: pip installing your  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **pip:**  Command: pip install foo  Explanation: Install a Python package using pip.  Note: Run in your terminal or command prompt.  When to use: General pip install command.  **docker\_compose:**  Command: Docker Compose  Platform: any  **other:**  Command: http://my.package.repo/SomePackage-1.0.4.zip  Explanation: Direct download link for an installer or archive.  Note: Download and follow platform-specific install instructions.  **other:**  Command: http://my.package.repo/1.2.3.tar.gz  Explanation: Direct download link for an installer or archive.  Note: Download and follow platform-specific install instructions. |

**4. Other Links**

**All Documentation Links:**

https://jupyterlab.readthedocs.io

**All Installation Links:**

https://jupyterlab.readthedocs.io/en/stable/getting\_started/changelog.html

https://docs.python.org/3/installing/index.html

http://jupyterlab.readthedocs.io/en/stable/getting\_started/installation.html

http://jupyterlab.readthedocs.io/en/stable/getting\_started/starting.html

https://jupyterlab.readthedocs.io/en/stable/getting\_started/issue.html

https://packaging.python.org/tutorials/installing-packages/

https://pip.pypa.io/en/stable/topics/secure-installs/#hash-checking-mode

https://github.com/jupyterlab/jupyterlab/edit/4.4.x/docs/source/getting\_started/changelog.md

https://github.com/python/cpython/blob/main/Doc/installing/index.rst

https://packaging.python.org/installing/#creating-virtual-environments

https://packaging.python.org/installing/

https://packaging.python.org/installing/#requirements-for-installing-packages

https://packaging.python.org/science/

https://packaging.python.org/en/latest/tutorials/installing-packages/#ensure-pip-setuptools-and-wheel-are-up-to-date

https://github.com/jupyterlab/jupyterlab-desktop#installation

https://docs.docker.com/install/

https://jupyter-docker-stacks.readthedocs.io/en/latest/

https://github.com/jupyterlab/jupyterlab/edit/4.4.x/docs/source/getting\_started/installation.rst

https://github.com/jupyterlab/jupyterlab/edit/4.4.x/docs/source/getting\_started/starting.rst

https://github.com/jupyterlab/jupyterlab/edit/4.4.x/docs/source/getting\_started/issue.rst

https://github.com/pypa/packaging.python.org/blob/main/source/tutorials/installing-packages.rst?plain=true

https://github.com/pypa/packaging.python.org/edit/main/source/tutorials/installing-packages.rst

https://docs.python-guide.org/starting/installation/#installation

https://opentechschool.github.io/python-beginners/en/getting\_started.html#what-is-python-exactly

https://pip.pypa.io/en/latest/cli/pip\_install/#install-no-binary

https://pip.pypa.io/en/latest/user\_guide/#user-installs

https://setuptools.pypa.io/en/latest/userguide/development\_mode.html

https://github.com/pypa/pip/issues/1668