000_detalhes_ambiente.ipynb

https://github.com/rogeriopradoj/python-detalhes-ambiente

Notebook que busca detalhar todos os detalhes do ambiente do seu ambiente python / anaconda / jupyter.

Baseado no script disponível https://stackoverflow.com/a/10091465/1330750.

1. Carrega dependências do script

```
In [1]:  import os
         import platform

         import IPython
```

1.2. Define classe e métodos

```
In [2]:  class RogerioDetalhesAmbiente:
             @staticmethod
             def show_platform():
                 def linux_distribution():
                     try:
                         return platform.linux_distribution()
                     except:
                         return "N/A"
                 def dist():
                     try:
                         return platform.dist()
                     except:
                         return "N/A"

                 results = {}
                 method_output = []
                 commands = {
                     "Python version": os.sys.version.split("\n"),
                     "dist": str(dist()),
                     "linux_distribution": linux_distribution(),
                     "system": platform.system(),
                     "machine": platform.machine(),
                     "platform": platform.platform(),
                     "uname": platform.uname(),
                     "version": platform.version(),
                     "mac_ver": platform.mac_ver(),
                 }

                 for tool, tool_command in commands.items():
                     tool_result = tool_command
                     results[tool] = tool_result

                 for tool, tool_result in results.items():
                     method_output.append((tool, tool_result))

                 return method_output
```

```python
    @staticmethod
    def show_versions():
        results = {}
        method_output = []
        commands = {
            "python_sys_executable_version": f"{os.sys.executable} --version
            "pip_version": f"{os.sys.executable} -m pip --version",
            "conda_version": "conda --version",
            "mamba_version": "mamba --version",
            "node_version": "node --version",
            "npm_version": "npm --version",
            "jlpm_version": "jlpm --version",
        }

        for tool, tool_command in commands.items():
            tool_result = !{tool_command}
            if not RogerioDetalhesAmbiente.command_exists(tool_result):
                tool_result = "N/A"
            results[tool] = tool_result

        for tool, tool_result in results.items():
            method_output.append((tool, tool_result))

        return method_output

    @staticmethod
    def show_anaconda_env_list():
        method_output = !mamba env list

        if ( RogerioDetalhesAmbiente.command_exists(method_output) ):
            return method_output

        method_output = !conda env list

        if ( RogerioDetalhesAmbiente.command_exists(method_output) ):
            return "N/A"

        return method_output

    @staticmethod
    def show_anaconda_pkg_list():
        method_output = !mamba list

        if ( RogerioDetalhesAmbiente.command_exists(method_output) ):
            return method_output

        method_output = !conda list

        if ( RogerioDetalhesAmbiente.command_exists(method_output) ):
            return "N/A"

        return method_output

    @staticmethod
    def show_pip_freeze():
        method_output = !pip freeze

        if not RogerioDetalhesAmbiente.command_exists(method_output):
            return "N/A"

        return method_output

    @staticmethod
    def show_jupyter_lab_ext_list():
```

```python
        method_output = !jupyter labextension list

        if not RogerioDetalhesAmbiente.command_exists(method_output):
            return "N/A"

        return method_output

    @staticmethod
    def show_jupyter_server_ext_list():
        method_output = !jupyter serverextension list

        if not RogerioDetalhesAmbiente.command_exists(method_output):
            return "N/A"

        return method_output

    @staticmethod
    def show_current_directory_path():
        return os.getcwd()

    @staticmethod
    def show_parent_directory_path():
        return os.path.abspath(os.path.join(os.getcwd(), ".."))

    @staticmethod
    def show_anaconda_info():
        method_output = !mamba info

        if ( RogerioDetalhesAmbiente.command_exists(method_output) ):
            return method_output

        method_output = !conda info

        if ( RogerioDetalhesAmbiente.command_exists(method_output) ):
            return "N/A"

        return method_output

    @staticmethod
    def show_anaconda_config_show():
        method_output = !conda config --show

        if not RogerioDetalhesAmbiente.command_exists(method_output):
            return "N/A"

        return method_output

    def command_exists(cli_output: IPython.utils.text.SList):
        return not ( cli_output.spstr.__contains__('reconhecido como um coma
```

2. Detalhamentos

2.1. Mostra detalhes gerais da plataforma

```python
In [3]:  RogerioDetalhesAmbiente.show_platform()
```

```
Out[3]: [('Python version',
          ['3.10.5 | packaged by conda-forge | (main, Jun 14 2022, 07:07:06) [Clang
         13.0.1 ]']),
         ('dist', 'N/A'),
         ('linux_distribution', 'N/A'),
         ('system', 'Darwin'),
         ('machine', 'arm64'),
         ('platform', 'macOS-12.4-arm64-arm-64bit'),
         ('uname',
          uname_result(system='Darwin', node='RGOs-MacBook-Pro.local', release='21.
         5.0', version='Darwin Kernel Version 21.5.0: Tue Apr 26 21:08:37 PDT 2022; r
         oot:xnu-8020.121.3~4/RELEASE_ARM64_T6000', machine='arm64')),
         ('version',
          'Darwin Kernel Version 21.5.0: Tue Apr 26 21:08:37 PDT 2022; root:xnu-802
         0.121.3~4/RELEASE_ARM64_T6000'),
         ('mac_ver', ('12.4', ('', '', ''), 'arm64'))]
```

2.2. Mostra versões das ferramentas CLI

```
In [4]:   RogerioDetalhesAmbiente.show_versions()
```

```
Out[4]: [('python_sys_executable_version', ['Python 3.10.5']),
         ('pip_version',
          ['pip 22.1.2 from /opt/homebrew/Caskroom/mambaforge/base/envs/python-detal
         hes-ambiente/lib/python3.10/site-packages/pip (python 3.10)']),
         ('conda_version', ['conda 4.12.0']),
         ('mamba_version', ['mamba 0.22.1', 'conda 4.12.0']),
         ('node_version', ['zsh:1: command not found: node']),
         ('npm_version', ['zsh:1: command not found: npm']),
         ('jlpm_version',
          ['Traceback (most recent call last):',
           '  File "/opt/homebrew/Caskroom/mambaforge/base/envs/python-detalhes-ambi
         ente/bin/jlpm", line 10, in <module>',
           '    sys.exit(main())',
           '  File "/opt/homebrew/Caskroom/mambaforge/base/envs/python-detalhes-ambi
         ente/lib/python3.10/site-packages/jupyterlab/jlpmapp.py", line 44, in main',
           '    execvp("node", ["node", YARN_PATH] + argv)',
           '  File "/opt/homebrew/Caskroom/mambaforge/base/envs/python-detalhes-ambi
         ente/lib/python3.10/site-packages/jupyterlab/jlpmapp.py", line 25, in execv
         p',
           '    cmd = which(cmd)',
           '  File "/opt/homebrew/Caskroom/mambaforge/base/envs/python-detalhes-ambi
         ente/lib/python3.10/site-packages/jupyterlab_server/process.py", line 57, in
         which',
           '    raise ValueError(msg)',
           'ValueError: Please install Node.js and npm before continuing installatio
         n. You may be able to install Node.js from your package manager, from conda,
         or directly from the Node.js website (https://nodejs.org).'])]
```

2.3. Mostra os ambientes anaconda (conda/mamba) disponíveis

```
In [5]:   RogerioDetalhesAmbiente.show_anaconda_env_list()
```

```
Out[5]: ['# conda environments:',
         '#',
         'base                     /opt/homebrew/Caskroom/mambaforge/base',
         'python-detalhes-ambiente  *  /opt/homebrew/Caskroom/mambaforge/base/envs/p
         ython-detalhes-ambiente',
         '']
```

2.4. Mostra os pacotes instalados no ambiente anaconda (conda/mamba)

```
In [6]:  RogerioDetalhesAmbiente.show_anaconda_pkg_list()
```

```
Out[6]:  ['# packages in environment at /opt/homebrew/Caskroom/mambaforge/base/envs/p
         ython-detalhes-ambiente:',
          '#',
          '# Name                    Version                   Build  Channel',
          'anyio                     3.6.1           py310hbe9552e_0    conda-forge',
          'appnope                   0.1.3             pyhd8ed1ab_0    conda-forge',
          'argon2-cffi               21.3.0            pyhd8ed1ab_0    conda-forge',
          'argon2-cffi-bindings      21.2.0          py310hf8d0d8f_2    conda-forge',
          'asttokens                 2.0.5             pyhd8ed1ab_0    conda-forge',
          'attrs                     21.4.0            pyhd8ed1ab_0    conda-forge',
          'babel                     2.10.3            pyhd8ed1ab_0    conda-forge',
          'backcall                  0.2.0             pyh9f0ad1d_0    conda-forge',
          'backports                 1.0                      py_2    conda-forge',
          'backports.functools_lru_cache 1.6.4           pyhd8ed1ab_0    conda-for
         ge',
          'beautifulsoup4            4.11.1            pyha770c72_0    conda-forge',
          'bleach                    5.0.1             pyhd8ed1ab_0    conda-forge',
          'brotlipy                  0.7.0           py310hf8d0d8f_1004    conda-forg
         e',
          'bzip2                     1.0.8              h3422bc3_4    conda-forge',
          'ca-certificates           2022.6.15          h4653dfc_0    conda-forge',
          'certifi                   2022.6.15       py310hbe9552e_0    conda-forge',
          'cffi                      1.15.1          py310he00a5c5_0    conda-forge',
          'charset-normalizer        2.1.0             pyhd8ed1ab_0    conda-forge',
          'cryptography              37.0.4          py310h94bb23d_0    conda-forge',
          'debugpy                   1.6.0           py310h1105856_0    conda-forge',
          'decorator                 5.1.1             pyhd8ed1ab_0    conda-forge',
          'defusedxml                0.7.1             pyhd8ed1ab_0    conda-forge',
          'entrypoints               0.4               pyhd8ed1ab_0    conda-forge',
          'executing                 0.8.3             pyhd8ed1ab_0    conda-forge',
          'flit-core                 3.7.1             pyhd8ed1ab_0    conda-forge',
          'idna                      3.3               pyhd8ed1ab_0    conda-forge',
          'importlib-metadata        4.11.4          py310hbe9552e_0    conda-forge',
          'importlib_metadata        4.11.4             hd8ed1ab_0    conda-forge',
          'importlib_resources       5.8.0             pyhd8ed1ab_0    conda-forge',
          'ipykernel                 6.15.1            pyh736e0ef_0    conda-forge',
          'ipython                   8.4.0           py310hbe9552e_0    conda-forge',
          'ipython_genutils          0.2.0                    py_1    conda-forge',
          'jedi                      0.18.1          py310hbe9552e_1    conda-forge',
          'jinja2                    3.1.2             pyhd8ed1ab_1    conda-forge',
          'json5                     0.9.5             pyh9f0ad1d_0    conda-forge',
          'jsonschema                4.7.2             pyhd8ed1ab_0    conda-forge',
          'jupyter_client            7.3.4             pyhd8ed1ab_0    conda-forge',
          'jupyter_core              4.10.0          py310hbe9552e_0    conda-forge',
          'jupyter_server            1.16.0            pyhd8ed1ab_0    conda-forge',
          'jupyterlab                3.4.3             pyhd8ed1ab_0    conda-forge',
          'jupyterlab_pygments       0.2.2             pyhd8ed1ab_0    conda-forge',
          'jupyterlab_server         2.15.0            pyhd8ed1ab_0    conda-forge',
          'libcxx                    14.0.6             h04bba0f_0    conda-forge',
          'libffi                    3.4.2              h3422bc3_5    conda-forge',
          'libsodium                 1.0.18             h27ca646_1    conda-forge',
          'libzlib                   1.2.12             ha287fd2_1    conda-forge',
          'markupsafe                2.1.1           py310hf8d0d8f_1    conda-forge',
          'matplotlib-inline         0.1.3             pyhd8ed1ab_0    conda-forge',
          'mistune                   0.8.4           py310he2143c4_1005    conda-forg
         e',
          'nbclassic                 0.3.7             pyhd8ed1ab_0    conda-forge',
          'nbclient                  0.5.13            pyhd8ed1ab_0    conda-forge',
          'nbconvert                 6.4.5           py310hbe9552e_0    conda-forge',
          'nbformat                  5.4.0             pyhd8ed1ab_0    conda-forge',
          'ncurses                   6.3                h07bb92c_1    conda-forge',
          'nest-asyncio              1.5.5             pyhd8ed1ab_0    conda-forge',
          'notebook                  6.4.12            pyha770c72_0    conda-forge',
          'notebook-shim             0.1.0             pyhd8ed1ab_0    conda-forge',
```

```
    'openssl                1.1.1q              ha287fd2_0      conda-forge',
    'packaging              21.3              pyhd8ed1ab_0      conda-forge',
    'pandocfilters          1.5.0             pyhd8ed1ab_0      conda-forge',
    'parso                  0.8.3             pyhd8ed1ab_0      conda-forge',
    'pexpect                4.8.0             pyh9f0ad1d_2      conda-forge',
    'pickleshare            0.7.5                 py_1003      conda-forge',
    'pip                    22.1.2            pyhd8ed1ab_0      conda-forge',
    'prometheus_client      0.14.1            pyhd8ed1ab_0      conda-forge',
    'prompt-toolkit         3.0.30            pyha770c72_0      conda-forge',
    'psutil                 5.9.1           py310h02f21da_0     conda-forge',
    'ptyprocess             0.7.0             pyhd3deb0d_0      conda-forge',
    'pure_eval              0.2.2             pyhd8ed1ab_0      conda-forge',
    'pycparser              2.21              pyhd8ed1ab_0      conda-forge',
    'pygments               2.12.0            pyhd8ed1ab_0      conda-forge',
    'pyopenssl              22.0.0            pyhd8ed1ab_0      conda-forge',
    'pyparsing              3.0.9             pyhd8ed1ab_0      conda-forge',
    'pyrsistent             0.18.1          py310hf8d0d8f_1     conda-forge',
    'pysocks                1.7.1           py310hbe9552e_5     conda-forge',
    'python                 3.10.5         h71ab1a4_0_cpython   conda-forg
e',
    'python-dateutil        2.8.2             pyhd8ed1ab_0      conda-forge',
    'python-fastjsonschema  2.15.3            pyhd8ed1ab_0      conda-forge',
    'python_abi             3.10                  2_cp310      conda-forge',
    'pytz                   2022.1            pyhd8ed1ab_0      conda-forge',
    'pyzmq                  23.2.0          py310hede2015_0     conda-forge',
    'readline               8.1.2               h46ed386_0     conda-forge',
    'requests               2.28.1            pyhd8ed1ab_0      conda-forge',
    'send2trash             1.8.0             pyhd8ed1ab_0      conda-forge',
    'setuptools             63.1.0          py310hbe9552e_0     conda-forge',
    'six                    1.16.0            pyh6c4a22f_0      conda-forge',
    'sniffio                1.2.0           py310hbe9552e_3     conda-forge',
    'soupsieve              2.3.1             pyhd8ed1ab_0      conda-forge',
    'sqlite                 3.39.0              h40dfcc0_0      conda-forge',
    'stack_data             0.3.0             pyhd8ed1ab_0      conda-forge',
    'terminado              0.15.0          py310hbe9552e_0     conda-forge',
    'testpath               0.6.0             pyhd8ed1ab_0      conda-forge',
    'tk                     8.6.12              he1e0b03_0     conda-forge',
    'tornado                6.2             py310h02f21da_0     conda-forge',
    'traitlets              5.3.0             pyhd8ed1ab_0      conda-forge',
    'tzdata                 2022a               h191b570_0     conda-forge',
    'urllib3                1.26.10           pyhd8ed1ab_0      conda-forge',
    'wcwidth                0.2.5             pyh9f0ad1d_2      conda-forge',
    'webencodings           0.5.1                     py_1     conda-forge',
    'websocket-client       1.3.3             pyhd8ed1ab_0      conda-forge',
    'wheel                  0.37.1            pyhd8ed1ab_0      conda-forge',
    'xz                     5.2.5               h642e427_1     conda-forge',
    'zeromq                 4.3.4               hbdafb3b_1     conda-forge',
    'zipp                   3.8.0             pyhd8ed1ab_0      conda-forge',
    'zlib                   1.2.12              ha287fd2_1     conda-forge']
```

2.5. Mostra os pacotes instalados no pip

```
In [7]:  RogerioDetalhesAmbiente.show_pip_freeze()
```

```
Out[7]:  ['anyio @ file:///Users/runner/miniforge3/conda-bld/anyio_1652463935149/wor
         k/dist',
          'appnope @ file:///home/conda/feedstock_root/build_artifacts/appnope_164907
         7682618/work',
          'argon2-cffi @ file:///home/conda/feedstock_root/build_artifacts/argon2-cff
         i_1640817743617/work',
          'argon2-cffi-bindings @ file:///Users/runner/miniforge3/conda-bld/argon2-cf
         fi-bindings_1649500378483/work',
          'asttokens @ file:///home/conda/feedstock_root/build_artifacts/asttokens_16
         18968359944/work',
          'attrs @ file:///home/conda/feedstock_root/build_artifacts/attrs_1640799537
         051/work',
          'Babel @ file:///home/conda/feedstock_root/build_artifacts/babel_1655419414
         885/work',
          'backcall @ file:///home/conda/feedstock_root/build_artifacts/backcall_1592
         338393461/work',
          'backports.functools-lru-cache @ file:///home/conda/feedstock_root/build_ar
         tifacts/backports.functools_lru_cache_1618230623929/work',
          'beautifulsoup4 @ file:///home/conda/feedstock_root/build_artifacts/beautif
         ulsoup4_1649463573192/work',
          'bleach @ file:///home/conda/feedstock_root/build_artifacts/bleach_16563554
         50470/work',
          'brotlipy @ file:///Users/runner/miniforge3/conda-bld/brotlipy_164885430356
         9/work',
          'certifi==2022.6.15',
          'cffi @ file:///Users/runner/miniforge3/conda-bld/cffi_1656783163977/work',
          'charset-normalizer @ file:///home/conda/feedstock_root/build_artifacts/cha
         rset-normalizer_1655906222726/work',
          'cryptography @ file:///Users/runner/miniforge3/conda-bld/cryptography_1657
         174084384/work',
          'debugpy @ file:///Users/runner/miniforge3/conda-bld/debugpy_1649586398798/
         work',
          'decorator @ file:///home/conda/feedstock_root/build_artifacts/decorator_16
         41555617451/work',
          'defusedxml @ file:///home/conda/feedstock_root/build_artifacts/defusedxml_
         1615232257335/work',
          'entrypoints @ file:///home/conda/feedstock_root/build_artifacts/entrypoint
         s_1643888246732/work',
          'executing @ file:///home/conda/feedstock_root/build_artifacts/executing_16
         46044401614/work',
          'fastjsonschema @ file:///home/conda/feedstock_root/build_artifacts/python-
         fastjsonschema_1641751198313/work/dist',
          'flit_core @ file:///home/conda/feedstock_root/build_artifacts/flit-core_16
         45629044586/work/source/flit_core',
          'idna @ file:///home/conda/feedstock_root/build_artifacts/idna_164243354862
         7/work',
          'importlib-metadata @ file:///Users/runner/miniforge3/conda-bld/importlib-m
         etadata_1653252869256/work',
          'importlib-resources @ file:///home/conda/feedstock_root/build_artifacts/im
         portlib_resources_1655356668708/work',
          'ipykernel @ file:///Users/runner/miniforge3/conda-bld/ipykernel_1657295113
         967/work',
          'ipython @ file:///Users/runner/miniforge3/conda-bld/ipython_1653755019776/
         work',
          'ipython-genutils==0.2.0',
          'jedi @ file:///Users/runner/miniforge3/conda-bld/jedi_1649067433487/work',
          'Jinja2 @ file:///home/conda/feedstock_root/build_artifacts/jinja2_16543024
         31367/work',
          'json5 @ file:///home/conda/feedstock_root/build_artifacts/json5_1600692310
         011/work',
          'jsonschema @ file:///home/conda/feedstock_root/build_artifacts/jsonschema-
         meta_1657629641118/work',
          'jupyter-client @ file:///home/conda/feedstock_root/build_artifacts/jupyter
         _client_1654730843242/work',
```

```
 'jupyter-core @ file:///Users/runner/miniforge3/conda-bld/jupyter_core_1652
365483853/work',
 'jupyter-server @ file:///home/conda/feedstock_root/build_artifacts/jupyter
_server_1648663996660/work',
 'jupyterlab @ file:///home/conda/feedstock_root/build_artifacts/jupyterlab_
1654621376725/work',
 'jupyterlab-pygments @ file:///home/conda/feedstock_root/build_artifacts/ju
pyterlab_pygments_1649936611996/work',
 'jupyterlab-server @ file:///home/conda/feedstock_root/build_artifacts/jupy
terlab_server_1657063151834/work',
 'MarkupSafe @ file:///Users/runner/miniforge3/conda-bld/markupsafe_16487375
88665/work',
 'matplotlib-inline @ file:///home/conda/feedstock_root/build_artifacts/matp
lotlib-inline_1631080358261/work',
 'mistune @ file:///Users/runner/miniforge3/conda-bld/mistune_1635844784701/
work',
 'nbclassic @ file:///home/conda/feedstock_root/build_artifacts/nbclassic_16
47450696711/work',
 'nbclient @ file:///home/conda/feedstock_root/build_artifacts/nbclient_1646
999386773/work',
 'nbconvert @ file:///Users/runner/miniforge3/conda-bld/nbconvert_1648465447
893/work',
 'nbformat @ file:///home/conda/feedstock_root/build_artifacts/nbformat_1651
607001005/work',
 'nest-asyncio @ file:///home/conda/feedstock_root/build_artifacts/nest-asyn
cio_1648959695634/work',
 'notebook @ file:///home/conda/feedstock_root/build_artifacts/notebook_1654
636967533/work',
 'notebook-shim @ file:///home/conda/feedstock_root/build_artifacts/notebook
-shim_1646330736330/work',
 'packaging @ file:///home/conda/feedstock_root/build_artifacts/packaging_16
37239678211/work',
 'pandocfilters @ file:///home/conda/feedstock_root/build_artifacts/pandocfi
lters_1631603243851/work',
 'parso @ file:///home/conda/feedstock_root/build_artifacts/parso_1638334955
874/work',
 'pexpect @ file:///home/conda/feedstock_root/build_artifacts/pexpect_160253
5608087/work',
 'pickleshare @ file:///home/conda/feedstock_root/build_artifacts/pickleshar
e_1602536217715/work',
 'prometheus-client @ file:///home/conda/feedstock_root/build_artifacts/prom
etheus_client_1649447152425/work',
 'prompt-toolkit @ file:///home/conda/feedstock_root/build_artifacts/prompt-
toolkit_1656332401605/work',
 'psutil @ file:///Users/runner/miniforge3/conda-bld/psutil_1653089446457/wo
rk',
 'ptyprocess @ file:///home/conda/feedstock_root/build_artifacts/ptyprocess_
1609419310487/work/dist/ptyprocess-0.7.0-py2.py3-none-any.whl',
 'pure-eval @ file:///home/conda/feedstock_root/build_artifacts/pure_eval_16
42875951954/work',
 'pycparser @ file:///home/conda/feedstock_root/build_artifacts/pycparser_16
36257122734/work',
 'Pygments @ file:///home/conda/feedstock_root/build_artifacts/pygments_1650
904496387/work',
 'pyOpenSSL @ file:///home/conda/feedstock_root/build_artifacts/pyopenssl_16
43496850550/work',
 'pyparsing @ file:///home/conda/feedstock_root/build_artifacts/pyparsing_16
52235407899/work',
 'pyrsistent @ file:///Users/runner/miniforge3/conda-bld/pyrsistent_16490134
28463/work',
 'PySocks @ file:///Users/runner/miniforge3/conda-bld/pysocks_1648857351433/
work',
 'python-dateutil @ file:///home/conda/feedstock_root/build_artifacts/python
-dateutil_1626286286081/work',
```

```
  'pytz @ file:///home/conda/feedstock_root/build_artifacts/pytz_164796143954
6/work',
  'pyzmq @ file:///Users/runner/miniforge3/conda-bld/pyzmq_1656183616117/wor
k',
  'requests @ file:///home/conda/feedstock_root/build_artifacts/requests_1656
534056640/work',
  'Send2Trash @ file:///home/conda/feedstock_root/build_artifacts/send2trash_
1628511208346/work',
  'six @ file:///home/conda/feedstock_root/build_artifacts/six_1620240208055/
work',
  'sniffio @ file:///Users/runner/miniforge3/conda-bld/sniffio_1648819417040/
work',
  'soupsieve @ file:///home/conda/feedstock_root/build_artifacts/soupsieve_16
38550740809/work',
  'stack-data @ file:///home/conda/feedstock_root/build_artifacts/stack_data_
1655315839047/work',
  'terminado @ file:///Users/runner/miniforge3/conda-bld/terminado_1652790932
906/work',
  'testpath @ file:///home/conda/feedstock_root/build_artifacts/testpath_1645
693042223/work',
  'tornado @ file:///Users/runner/miniforge3/conda-bld/tornado_1656938163103/
work',
  'traitlets @ file:///home/conda/feedstock_root/build_artifacts/traitlets_16
55411388954/work',
  'urllib3 @ file:///home/conda/feedstock_root/build_artifacts/urllib3_165722
4465922/work',
  'wcwidth @ file:///home/conda/feedstock_root/build_artifacts/wcwidth_160096
5781394/work',
  'webencodings==0.5.1',
  'websocket-client @ file:///home/conda/feedstock_root/build_artifacts/webso
cket-client_1655796432389/work',
  'zipp @ file:///home/conda/feedstock_root/build_artifacts/zipp_164901289334
8/work']
```

2.6. Mostra as extensões jupyter lab

In [8]:
```
RogerioDetalhesAmbiente.show_jupyter_lab_ext_list()
```

Out[8]:
```
['JupyterLab v3.4.3',
 '/opt/homebrew/Caskroom/mambaforge/base/envs/python-detalhes-ambiente/shar
e/jupyter/labextensions',
 '        jupyterlab_pygments v0.2.2 \x1b[32menabled\x1b[0m \x1b[32mOK\x1b[0
m (python, jupyterlab_pygments)',
 '']
```

2.7. Mostra as extensões jupyter server

In [9]:
```
RogerioDetalhesAmbiente.show_jupyter_server_ext_list()
```

Out[9]:
```
['    - Validating...',
 '      jupyterlab 3.4.3 \x1b[32mOK\x1b[0m',
 'config dir: /opt/homebrew/Caskroom/mambaforge/base/envs/python-detalhes-am
biente/etc/jupyter',
 '    jupyterlab \x1b[32m enabled \x1b[0m']
```

2.8. Caminho do nosso script no sistema de arquivos

In [10]:
```
RogerioDetalhesAmbiente.show_current_directory_path()
```

Out[10]:
```
'/Users/rogeriopradoj/contribs/python-detalhes-ambiente/001_notebooks'
```

2.9. Caminho do diretório pai

```
In [11]:   RogerioDetalhesAmbiente.show_parent_directory_path()
```

```
Out[11]:   '/Users/rogeriopradoj/contribs/python-detalhes-ambiente'
```

2.10. Mostra as informações do ambiente anaconda

```
In [12]:   RogerioDetalhesAmbiente.show_anaconda_info()
```

```
Out[12]: ['',
         '                  __    __    __    __',
         '                 /  \\  /  \\  /  \\  /  \\',
         '                /    \\/    \\/    \\/    \\',
         '███████████████/  /██/  /██/  /██/  /████████████████████',
         '              /  / \\   / \\   / \\   / \\  \\___',
         '             /  /   \\_/   \\_/   \\_/   \\    o \\__,',
         '            / _/                       \\_____/  `',
         '            |/',
         '        ▅▅▅▅▅▅   ▅▅▅  ▅▅▅▅▅  ▅▅▅  ▅▅▅  ▅▅▅▅▅',
         '        █▅   ▅█   █▅█  █▅█ █▅  █▅█  █▅█  █▅█ █▅',
         '        █▅   ▅█   █▅█  █▅█▅▅  █▅█▅▅█▅█  █▅▅▅▅',
         '        █▅   ▅█   █▅█  █▅█ ▅▅  █▅█  █▅█  █▅▅ ▅▅',
         '        ▅▅   ▅▅   ▅▅▅  ▅▅▅ ▅▅▅ ▅▅▅  ▅▅▅  ▅▅▅▅▅',
         '',
         '        mamba (0.22.1) supported by @QuantStack',
         '',
         '        GitHub:  https://github.com/mamba-org/mamba',
         '        Twitter: https://twitter.com/QuantStack',
         '',
         '██████████████████████████████████████████████████████████',
         '',
         '',
         '     active environment : python-detalhes-ambiente',
         '    active env location : /opt/homebrew/Caskroom/mambaforge/base/envs/pyth
on-detalhes-ambiente',
         '            shell level : 2',
         '       user config file : /Users/rogeriopradoj/.condarc',
         ' populated config files : /opt/homebrew/Caskroom/mambaforge/base/.condar
c',
         '          conda version : 4.12.0',
         '    conda-build version : not installed',
         '         python version : 3.9.13.final.0',
         '       virtual packages : __osx=12.4=0',
         '                          __unix=0=0',
         '                          __archspec=1=arm64',
         '       base environment : /opt/homebrew/Caskroom/mambaforge/base  (writabl
e)',
         '      conda av data dir : /opt/homebrew/Caskroom/mambaforge/base/etc/cond
a',
         '  conda av metadata url : None',
         '           channel URLs : https://conda.anaconda.org/conda-forge/osx-arm6
4',
         '                          https://conda.anaconda.org/conda-forge/noarch',
         '          package cache : /opt/homebrew/Caskroom/mambaforge/base/pkgs',
         '                          /Users/rogeriopradoj/.conda/pkgs',
         '       envs directories : /opt/homebrew/Caskroom/mambaforge/base/envs',
         '                          /Users/rogeriopradoj/.conda/envs',
         '               platform : osx-arm64',
         '             user-agent : conda/4.12.0 requests/2.27.1 CPython/3.9.13 Darw
in/21.5.0 OSX/12.4',
         '                UID:GID : 502:20',
         '             netrc file : None',
         '           offline mode : False',
         '']
```

2.11. Mostra as configurações do ambiente anaconda

```
In [13]: RogerioDetalhesAmbiente.show_anaconda_config_show()
```

```
Out[13]:    ['add_anaconda_token: True',
            'add_pip_as_python_dependency: True',
            'aggressive_update_packages:',
            '  - ca-certificates',
            '  - certifi',
            '  - openssl',
            'allow_conda_downgrades: False',
            'allow_cycles: True',
            'allow_non_channel_urls: False',
            'allow_softlinks: False',
            'always_copy: False',
            'always_softlink: False',
            'always_yes: None',
            'anaconda_upload: None',
            'auto_activate_base: True',
            'auto_stack: 0',
            'auto_update_conda: True',
            'bld_path: ',
            'changeps1: True',
            'channel_alias: https://conda.anaconda.org',
            'channel_priority: flexible',
            'channels:',
            '  - conda-forge',
            'client_ssl_cert: None',
            'client_ssl_cert_key: None',
            'clobber: False',
            'conda_build: {}',
            'create_default_packages: []',
            'croot: /opt/homebrew/Caskroom/mambaforge/base/conda-bld',
            'custom_channels:',
            '  pkgs/main: https://repo.anaconda.com',
            '  pkgs/r: https://repo.anaconda.com',
            '  pkgs/pro: https://repo.anaconda.com',
            'custom_multichannels:',
            '  defaults: ',
            '    - https://repo.anaconda.com/pkgs/main',
            '    - https://repo.anaconda.com/pkgs/r',
            '  local: ',
            'debug: False',
            'default_channels:',
            '  - https://repo.anaconda.com/pkgs/main',
            '  - https://repo.anaconda.com/pkgs/r',
            'default_python: 3.9',
            'default_threads: None',
            'deps_modifier: not_set',
            'dev: False',
            'disallowed_packages: []',
            'download_only: False',
            'dry_run: False',
            'enable_private_envs: False',
            'env_prompt: ({default_env}) ',
            'envs_dirs:',
            '  - /opt/homebrew/Caskroom/mambaforge/base/envs',
            '  - /Users/rogeriopradoj/.conda/envs',
            'error_upload_url: https://conda.io/conda-post/unexpected-error',
            'execute_threads: 1',
            'experimental_solver: classic',
            'extra_safety_checks: False',
            'force: False',
            'force_32bit: False',
            'force_reinstall: False',
            'force_remove: False',
            'ignore_pinned: False',
            'json: False',
```

```
'local_repodata_ttl: 1',
'migrated_channel_aliases: []',
'migrated_custom_channels: {}',
'non_admin_enabled: True',
'notify_outdated_conda: True',
'offline: False',
'override_channels_enabled: True',
'path_conflict: clobber',
'pinned_packages: []',
'pip_interop_enabled: False',
'pkgs_dirs:',
'  - /opt/homebrew/Caskroom/mambaforge/base/pkgs',
'  - /Users/rogeriopradoj/.conda/pkgs',
'proxy_servers: {}',
'quiet: False',
'remote_backoff_factor: 1',
'remote_connect_timeout_secs: 9.15',
'remote_max_retries: 3',
'remote_read_timeout_secs: 60.0',
'repodata_fns:',
'  - current_repodata.json',
'  - repodata.json',
'repodata_threads: None',
'report_errors: None',
'restore_free_channel: False',
'rollback_enabled: True',
'root_prefix: /opt/homebrew/Caskroom/mambaforge/base',
'safety_checks: warn',
'sat_solver: pycosat',
'separate_format_cache: False',
'shortcuts: True',
'show_channel_urls: None',
'signing_metadata_url_base: None',
'solver_ignore_timestamps: False',
'ssl_verify: True',
'subdir: osx-arm64',
'subdirs:',
'  - osx-arm64',
'  - noarch',
'target_prefix_override: ',
'track_features: []',
'unsatisfiable_hints: True',
'unsatisfiable_hints_check_depth: 2',
'update_modifier: update_specs',
'use_index_cache: False',
'use_local: False',
'use_only_tar_bz2: False',
'verbosity: 0',
'verify_threads: 1',
'whitelist_channels: []']
```

In [ ]: