Simple 🥧🕵️‍♀️

Hint: it's not "tarte détective privé·e"

@kimadeline_m

PyPA
Python Packaging Authority

PyPI (Warehouse)
Python Package Index

pip, Pipfile, packaging, …

pypy 😢

https://pypi.org/simple/

```
…

<a href="https://pypi.org/simple/blablacar-api/">BlaBlaCar-API</a>

<a href="https://pypi.org/simple/b-labs-models/">b-labs-models</a>

<a href="https://pypi.org/simple/black/">black</a>

<a href="https://pypi.org/simple/blackarrow/">blackarrow</a>

<a href="https://pypi.org/simple/blackbeard/">blackbeard</a>

…
```

🔍: PEP 503

- Longest package name: *Aaaaaaaaaaaaaaaaaaaaa-aaaaaaaaa-aaaaaaasa-aaaaaaasa-aaaaasaa-aaaaaaasa-bbbbbbbbbbb* (80 characters)

- Average package name length: 12.43 characters

- '*python*': 5694 packages (2.59%)

- '*py*': 28663 packages (13.03%)

```
…

<a href="https://pypi.org/simple/blablacar-api/">BlaBlaCar-API</a>

<a href="https://pypi.org/simple/b-labs-models/">b-labs-models</a>

<a href="https://pypi.org/simple/black/">black</a>

<a href="https://pypi.org/simple/blackarrow/">blackarrow</a>

<a href="https://pypi.org/simple/blackbeard/">blackbeard</a>

…
```

- .tar.gz: jupyterlab-1.2.6.tar.gz

- .zip: numpy-1.18.1.zip

- .whl: matplotlib-3.1.3-cp38-cp38-win_amd64.whl

- .tar.gz: *jupyterlab*-1.2.6.tar.gz

- .zip: *numpy*-1.18.1.zip

- .whl: *matplotlib*-3.1.3-cp38-cp38-win_amd64.whl

- .tar.gz: jupyterlab-*1.2.6*.tar.gz

- .zip: numpy-*1.18.1*.zip

- .whl: matplotlib-*3.1.3*-cp38-cp38-win_amd64.whl

matplotlib-3.1.3-cp38-cp38-win_amd64.whl

matplotlib-3.1.3-*cp38*-cp38-win_amd64.whl

interpreter

matplotlib-3.1.3-cp38-*cp38*-win_amd64.whl

ABI

@kimadeline_m

matplotlib-3.1.3-cp38-cp38-*win_amd64*.whl

platform

🔍: PEP 566

https://pypi.org/pypi/*<package>*/json

```
                              https://pypi.org/pypi/<package>/json

{

     info: {   }

     releases: {
          1.0.0: [ { }, { }, … ],

          …
     }

     urls: [ { }, { }, … ]
}
```

https://pypi.org/pypi/<package>/json

```
{

    info: {   }

    releases: {
        1.0.0: [ { }, { }, … ],
        …
    }

    urls: [ { }, { }, … ]

}
```

@kimadeline_m

https://pypi.org/pypi/<package>/json

```
{

    info: {   }
    releases: {
        1.0.0: [ { }, { }, … ],

        …
    }
    urls: [ { }, { }, … ]
}
```

@kimadeline_m

```
                             https://pypi.org/pypi/<package>/json

{

     info: {   }
     releases: {
          1.0.0: [ { }, { }, … ],
          …
     }
     urls: [ { }, { }, … ]
}
```

https://pypi.org/pypi/<package>/<version>/json

```
{

    info: {   }
    releases: {
        1.0.0: [ { }, { }, … ],
        …
    }
    urls: [ { }, { }, … ]
}
```

- PyPA projects: https://packaging.python.org/key_projects/#pypa-projects
- Add API endpoint to get latest version of all projects: https://github.com/pypa/warehouse/issues/347
- Regular dump of the PyPI database: https://github.com/pypa/warehouse/issues/1478
- Would people be interested in a daily download of PyPI metadata until #1478 is implemented: https://twitter.com/brettsky/status/1200536491388100608
- PyPI keyword stats: https://github.com/uranusjr/packaging-metadata-comparisons/blob/master/topics/keywords.md
- Core metadata specifications: https://packaging.python.org/specifications/core-metadata/
- JSON API documentation: https://warehouse.readthedocs.io/api-reference/json/

kimadeline/pypi-simple-scraping