

SciPy v1.5.1^{meters}

Brief update + some pep-talk

by İlhan Polat

on 08/07/2020

» About me

SciPy Member for ~3 years


based Amsterdam, NL

works @ 

day-job IoT, Predictive Maintenance, Condition Monitoring

ex-academia Control Theory, check out [harold](#) on GitHub

 @ilayn

 ilhanpolat

 _ilhanpolat_

 ilhanpolat@gmail.com

 129 people contributed.

 168 issues closed.

 471 pull requests merged.

5 minute rule → ~25 mins/contributor

`scipy.linalg.eigh` New facelift and subset of eigs based on index or value.

`scipy.linalg.lapack` Lots of new low-level LAPACK wrappers (more to come).

`scipy.linalg.cossin` Cosine-Sine Decomposition of unitary matrices.

Performance speed for many and accuracy for some

Random Seeds Support for newer `np.random.Generator`

Kolmogorov-Smirnov 2-sided 1-sample added, now handles 1-sample and 2-sample tests

`scipy.optimize.linprog` presolve and constraint handler are faster.

`scipy.optimize.minimize` Absolute and relative step size enhancements + simple caching.

Too many to enumerate

Check out the release notes for more:

<https://github.com/scipy/scipy/releases/tag/v1.5.0>

Total 61 members

Active >23 members

Open 1234 Issues, 291 PRs

Atsushi Sakai
Andrew Nelson
Christoph Baumgarten
CJ Carey
Eric Larson
Evgeni Burovski
Gregory R. Lee
Tyler Reddy

Ilhan Polat
Josef Perktold
Josh Wilson
Kai Striega
Lucas Roberts
Matt Haberland
Matthew Brett
Warren Weckesser

Nikolay Mayorov
Paul van Mulbregt
Pauli Virtanen
Peter Bell
Peter Larsen
Ralf Gommers
Seth Troisi

5 minute rule → ~6.5 hours/active maintainer

- * Socially demanding
- * Requires some personal introspection
- * Depends on package-specific past experience

» Maintaining SciPy

Personal

The Olognion [HOME](#) [JS](#) [STARTUPS](#) [WEB](#) [APPS](#) [SCIENCE](#) [HARDWARE](#) [BUSINESS](#) [About](#)

PROGRAMMING

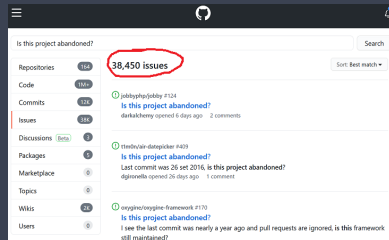
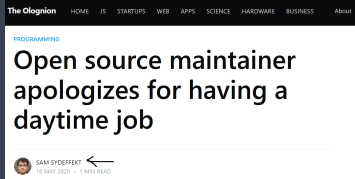
Open source maintainer apologizes for having a daytime job



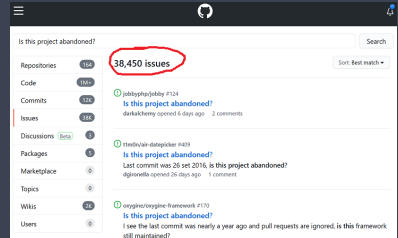
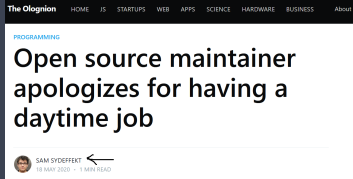
SAM SYDEFFEKT

18 MAY 2020 · 1 MIN READ

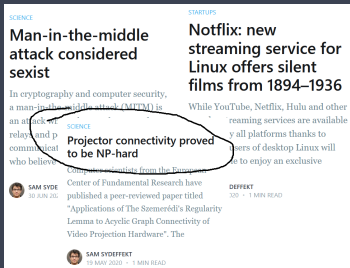














<https://opensource.com/article/20/5/adoptoposs>













<https://opensource.com/article/20/5/adoptoposs>



<https://www.theolognion.com/>

Popular content		
Content	Views	Unique visitors
 scipy/scipy: Scipy library main repo...	3,604	2,123
 Issues	1,562	357
 scipy/scipy at master	1,211	755
 Search · scipy_signal_sigtools_linea...	1,121	343
 Releases	1,109	786
 Pull requests	979	139
 Unable to find 'imresize' · Issue #6...	899	707
 Fix regression in scipy 1.5.0 in den...	582	491
 scipy/stats.py at v1.5.0	501	347
 Not able to install scipy using pip i...	464	347

Popular content		
Content	Views	Unique visitors
 scipy/scipy: Scipy library main repo...	3,604	2,123
 Issues	1,562	357
 scipy/scipy at master	1,211	755
 Search · scipy_signal_sigtools_linea...	1,121	343
 Releases	1,109	786
 Pull requests	979	139
 Unable to find 'imresize' · Issue #6...	899	707
 Fix regression in scipy 1.5.0 in den...	582	491
 scipy/stats.py at v1.5.0	501	347
 Not able to install scipy using pip i...	464	347

MAINT: Fix the cutoff value inconsistency for pinv2 and pinvh #10067



ilayn merged 7 commits into `scipy:master` from `ilayn:pinv2_eps` on Apr 25, 2019

MAINT: Fix the cutoff value inconsistency for pinv2 and pinvh #10067

ilayn merged 7 commits into [scipy:master](#) from [ilayn:pinv2_eps](#) on Apr 25, 2019

- thomasjpfn mentioned this pull request on May 18, 2019
[MRG] Fixes test_scale_and_stability by clipping small values [scikit-learn/scikit-learn#13903](#)
- NicolasHug mentioned this pull request on May 22, 2019
[MRG before #12069] KernelPCA: raise Errors and Warnings according to eigenvalue decomposition numerical/conditioning issues [scikit-learn/scikit-learn#12145](#)
- rth mentioned this pull request on Jun 10, 2019
ARD Regressor accuracy degrades when upgrading Scipy 1.2.1 -> 1.3.0 [scikit-learn/scikit-learn#14055](#)
- ilayn mentioned this pull request on Sep 26, 2019
[scipy.linalg.pinv2](#) default cutoff possibly too conservative #10879
- yaroalavb mentioned this pull request on Sep 30, 2019
Improve default cut-off for pinverse [pytorch/pytorch#27095](#)
- yaroalavb mentioned this pull request on Oct 21, 2019
[feature request] symmetric matrix square root [pytorch/pytorch#25481](#)

» Maintaining SciPy

Why do it then?

- * Exceptional teamwork experience
- * High-quality code
- * Professional-grade CI/CD knowledge

» Thanks

social



@ilayn



ilhanpolat



ilhanpolat



ilhanpolat@gmail.com