http://martinos.org/mne

Contributing to MNE-Python

MNE software for processing MEG and EEG data, A. Gramfort, M. Luessi, E. Larson, D. Engemann, D. Strohmeier, C. Brodbeck, L. Parkkonen, M. Hämäläinen, Neuroimage, 2014

MEG and EEG data analysis with MNE-Python, A. Gramfort, M. Luessi, E. Larson, D. Engemann, D. Strohmeier, C. Brodbeck, R. Goj, M. Jas, T. Brooks, L. Parkkonen, M. Hämäläinen, *Frontiers in Neuroscience, 2013*

You're not alone...

@agramfort

@mluessi

@Eric89GXL

@dengemann

@joewalter

@christianmbrodbeck

@rgoj

@mainakjas

@t3on

@lauriparkkonen

@adykstra

@adykstra

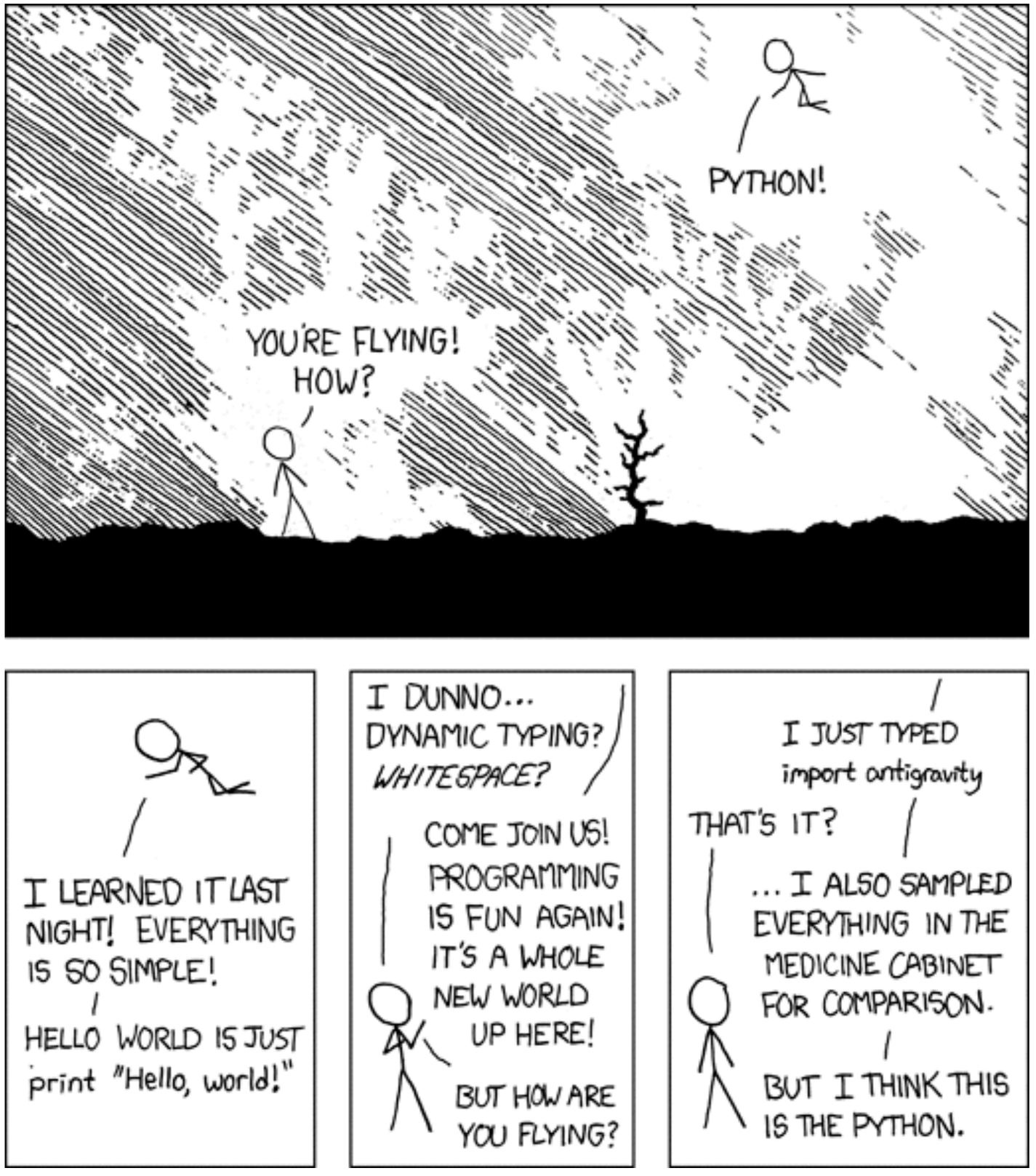
@leggitta

@mshamalainen

@you?

The Philosophy

Permissive BSD license
"modify and distribute"
even in commercial
applications (not like GPL)



Code is peer-reviewed

```
58  +
59  +def kit2fiff():
60  +    """Convert KIT files to the fiff format
61  +    """
```

3

agramfort repo collab — 11 hours ago

do we really want a GUI convert KIT files?

I am just afraid we start to maintain GUI code for things that should be done once with a script

christianmbrodbeck repo collab — 11 hours ago

The reason we want a GUI for that is that the kit2fiff step involves a coregistration which needs human supervision. Problems with the scripted (deterministic) version lead us to look into this in the first place. If you don't want to maintain it as part of mne-python we would have to maintain it as part of our lab internal scripts...

agramfort repo collab — 11 hours ago

makes sense. Thanks for the info.

Add a line note

```
62  +    from .kit2fiff_gui import Kit2FiffFrame
63  +    gui = Kit2FiffFrame()
64  +    gui.configure_traits()
65  +    return gui
```

1,208 mne/gui/coreg_gui.py — Open — View file @ a41e65b

Code style convention (PEP8)

File Edit Selection Find View Goto Tools Project Preferences Help

README.md | sublime-lint-free.sublime-settings — User | sublime-lint-free.sublime-settings — sublime-lint-free | example.py

```
1  # This is a file to test the whole plugin with Python linters.
2
3  import os, sys  # multiple imports, and unused sys
4  import re
5  import binascii
6
7  os.path
8
9  def f(**kwargs):
10     unused_variable = 'hello'
11
12 f(arg1 =3)  # bad spacing around keyword arguments
13
14
15 # Some comment which is longer than the recommended maximum of 80 characters, ah we need some more...
16
17
18 def long_and_hence_assumed_complex_function():
19     # Taken from standard library base64.b32decode.
20     # Define some variables to reduce noise.
21     EMPTYSTRING = _b32rev = _translate = casefold = map01 = s = None
22     quanta, leftover = divmod(len(s), 8)
23     if leftover:
24         raise TypeError('Incorrect padding')
25     # Handle section 2.4 zero and one mapping.  The flag map01 will be either
26     # False, or the character to map the digit 1 (one) to.  It should be
27     # either L (el) or I (eye).
28     if map01:
```

E501 line too long (101 > 80 characters), Line 15, Column 40 Spaces: 4 Python

For a comprehensive PEP8 guide, see http://www.python.org/dev/peps/pep-0008/

Unit tests

https://travis-ci.org/mne-tools/mne-python/

mainakjas opened this pull request 22 days ago

ENH: Add support for multiple clients

Edit

No one is assigned

No milestone

Closes #825

Not sure if I'm up for review yet but any ideas on how to test the multi-client setup is welcome.

cc **@mluessi @Eric89GXL**

Run:

$ nosetests mne

or

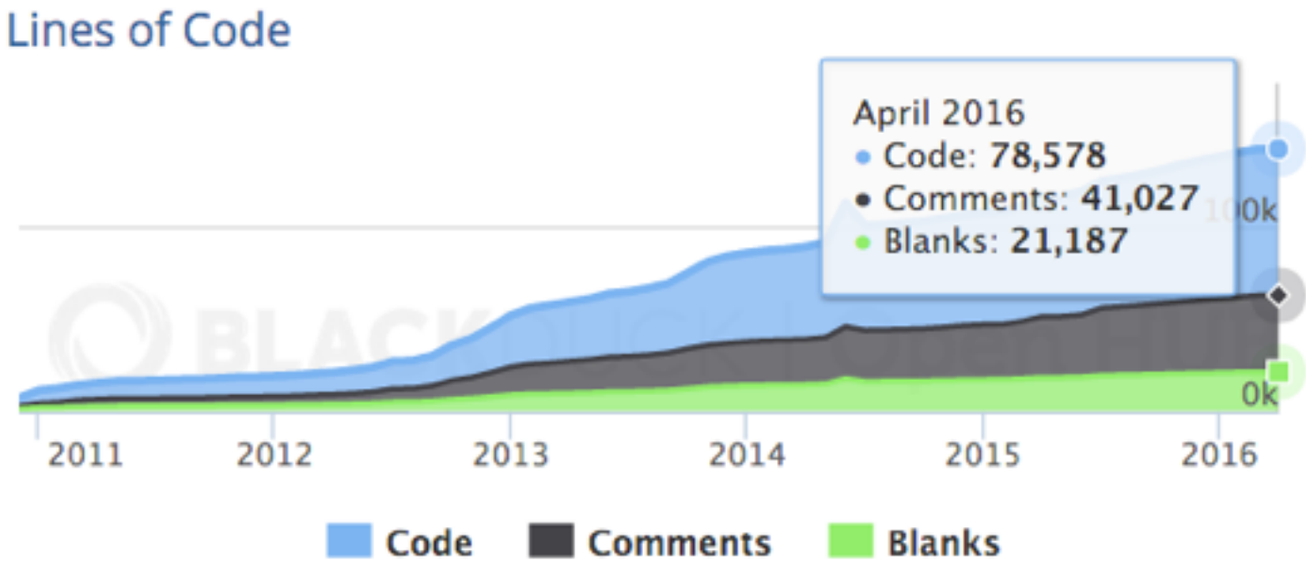
$ make test

✔ **All is well** — The Travis CI build passed (**Details**)

Build Jobs

✓	#8773.1	no language set	PYTHON=2.7 DEPS=full TEST_LOCATIO	27 min 16 sec
✓	#8773.2	no language set	PYTHON=2.7 DEPS=nodata TEST_LOC	9 min 58 sec
✓	#8773.3	no language set	PYTHON=3.5 DEPS=full TEST_LOCATIO	18 min 16 sec
✓	#8773.4	no language set	PYTHON=2.6 DEPS=full TEST_LOCATIO	20 min 34 sec
✓	#8773.5	no language set	PYTHON=2.7 DEPS=minimal TEST_LO	23 min 1 sec

It works !



In a Nutshell, MNE-Python...

... has had 11,232 commits made by 114 contributors
representing 78,578 lines of code

... is mostly written in Python
with a well-commented source code

... has a well established, mature codebase
maintained by a very large development team
with increasing Y-O-Y commits

... took an estimated 20 years of effort (COCOMO model)
starting with its first commit in December, 2010
ending with its most recent commit 3 days ago

12 Month Summary

Apr 3 2015 — Apr 3 2016

3836 Commits

Up + 1358 (54%) from previous 12 months

63 Contributors

Up + 12 (23%) from previous 12 months

Source: https://www.ohloh.net/p/MNE

Why not

You?

http://martinos.org/mne/contributing.html

Some links

- Documentation:
  - http://martinos.org/mne/ (general doc)
  - http://martinos.org/mne/stable/manual/index.html (manual)
  - http://martinos.org/mne/stable/tutorials.html (tutorials with code)
  - http://martinos.org/mne/auto_examples/index.html (python examples)
- Code:
  - https://github.com/mne-tools/mne-python (mne-python code)
  - https://github.com/mne-tools/mne-matlab (mne matlab toolbox)
  - https://github.com/mne-tools/mne-scripts (mne shell scripts)