

```

nclude/python3.7m -c _msprimemodule.c -o build/temp.macosx-10.7-x86_64-3.7/_msprimemodule.o -std=c99
In file included from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/syslimits.h:7:0,
from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:34,
from /anaconda3/include/python3.7m/Python.h:11,
from _msprimemodule.c:23:
/usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:168:61: fatal error: limits.h: No such file or
directory
#include_next <limits.h> /* recurse down to the real one */
^
compilation terminated.
error: command 'gcc' failed with exit status 1

```

```

-----
Command "/anaconda3/bin/python -u -c "import setuptools, tokenize;__file__='/private/var/folders/8p/
y5ntdql96r1gvxyz7jc99vzc0000gn/T/pip-install-dc8r_iko/msprime/setup.py';f=getattr(tokenize, 'open', open)
(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code, __file__, 'exec'))" install --record /private/
var/folders/8p/y5ntdql96r1gvxyz7jc99vzc0000gn/T/pip-record-rcxahfod/install-record.txt --single-version-externally-managed
--compile" failed with error code 1 in /private/var/folders/8p/y5ntdql96r1gvxyz7jc99vzc0000gn/T/pip-install-dc8r_iko/
msprime/
katie@Katies-MacBook-Air:~$ python -m pip install msprime
Collecting msprime
Using cached https://files.pythonhosted.org/packages/43/b3/194690d20f18613ea3b08bea3866464c049a9959c1762a21105db53ce195/
msprime-0.6.1.tar.gz
Requirement already satisfied: numpy>=1.7.0 in /anaconda3/lib/python3.7/site-packages (from msprime) (1.15.1)
Requirement already satisfied: h5py in /anaconda3/lib/python3.7/site-packages (from msprime) (2.8.0)
Requirement already satisfied: svgwrite in /anaconda3/lib/python3.7/site-packages (from msprime) (1.2.1)
Requirement already satisfied: six in /anaconda3/lib/python3.7/site-packages (from msprime) (1.11.0)
Requirement already satisfied: jsonschema in /anaconda3/lib/python3.7/site-packages (from msprime) (2.6.0)
Requirement already satisfied: pyparsing>=2.0.1 in /anaconda3/lib/python3.7/site-packages (from svgwrite->msprime) (2.2.0)
Building wheels for collected packages: msprime
Running setup.py bdist_wheel for msprime ... error
Complete output from command /anaconda3/bin/python -u -c "import setuptools, tokenize;__file__='/private/var/folders/8p/
y5ntdql96r1gvxyz7jc99vzc0000gn/T/pip-install-nsc3yh1b/msprime/setup.py';f=getattr(tokenize, 'open', open)
(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code, __file__, 'exec'))" bdist_wheel -d /private/var/
folders/8p/y5ntdql96r1gvxyz7jc99vzc0000gn/T/pip-wheel-tpk7dueb --python-tag cp37:
running bdist_wheel
running build
running build_py
creating build
creating build/lib.macosx-10.7-x86_64-3.7
creating build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/_version.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/mutations.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/drawing.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/simulations.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/_init_.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/cli.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/stats.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/formats.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/exceptions.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/tables.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/provenance.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/trees.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
running egg_info
writing msprime.egg-info/PKG-INFO
writing dependency_links to msprime.egg-info/dependency_links.txt
writing entry points to msprime.egg-info/entry_points.txt
writing requirements to msprime.egg-info/requirements.txt
writing top-level names to msprime.egg-info/top_level.txt
reading manifest file 'msprime.egg-info/SOURCES.txt'
reading manifest template 'MANIFEST.in'
warning: no files found matching 'README.txt'
writing manifest file 'msprime.egg-info/SOURCES.txt'
copying msprime/provenance.schema.json -> build/lib.macosx-10.7-x86_64-3.7/msprime
running build_ext
building '_msprime' extension
creating build/temp.macosx-10.7-x86_64-3.7
creating build/temp.macosx-10.7-x86_64-3.7/lib
creating build/temp.macosx-10.7-x86_64-3.7/lib/kastore
creating build/temp.macosx-10.7-x86_64-3.7/lib/kastore/c
gcc -Wno-unused-result -Wsign-compare -Wunreachable-code -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -I/anaconda3/
include -arch x86_64 -I/anaconda3/include -arch x86_64 -DMSP_LIBRARY_VERSION_STR="0.6.1" -UNDEBUG -Ilib -I/anaconda3/lib/
python3.7/site-packages/numpy/core/include -Ilib/kastore/c -I/usr/local/Cellar/gsl/2.5/include -I/anaconda3/include/
python3.7m -c _msprimemodule.c -o build/temp.macosx-10.7-x86_64-3.7/_msprimemodule.o -std=c99
In file included from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/syslimits.h:7:0,
from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:34,
from /anaconda3/include/python3.7m/Python.h:11,
from _msprimemodule.c:23:
/usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:168:61: fatal error: limits.h: No such file or
directory
#include_next <limits.h> /* recurse down to the real one */
^
compilation terminated.
error: command 'gcc' failed with exit status 1

```

```

-----
Failed building wheel for msprime
Running setup.py clean for msprime
Failed to build msprime
Installing collected packages: msprime
Running setup.py install for msprime ... error
Complete output from command /anaconda3/bin/python -u -c "import setuptools, tokenize;__file__='/private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-install-nsc3yh1b/msprime/setup.py';f=getattr(tokenize, 'open', open)(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code, __file__, 'exec'))" install --record /private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-record-ug_m3rrc/install-record.txt --single-version-externally-managed --compile:
running install
running build
running build_py
creating build
creating build/lib.macosx-10.7-x86_64-3.7
creating build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/_version.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/mutations.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/drawing.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/simulations.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/__init__.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/cli.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/stats.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/formats.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/exceptions.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/tables.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/provenance.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
copying msprime/trees.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
running egg_info
writing msprime.egg-info/PKG-INFO
writing dependency_links to msprime.egg-info/dependency_links.txt
writing entry points to msprime.egg-info/entry_points.txt
writing requirements to msprime.egg-info/requirements.txt
writing top-level names to msprime.egg-info/top_level.txt
reading manifest file 'msprime.egg-info/SOURCES.txt'
reading manifest template 'MANIFEST.in'
warning: no files found matching 'README.txt'
writing manifest file 'msprime.egg-info/SOURCES.txt'
copying msprime/provenance.schema.json -> build/lib.macosx-10.7-x86_64-3.7/msprime
running build_ext
building '_msprime' extension
creating build/temp.macosx-10.7-x86_64-3.7
creating build/temp.macosx-10.7-x86_64-3.7/lib
creating build/temp.macosx-10.7-x86_64-3.7/lib/kastore
creating build/temp.macosx-10.7-x86_64-3.7/lib/kastore/c
gcc -Wno-unused-result -Wsign-compare -Wunreachable-code -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -I/anaconda3/include -arch x86_64 -I/anaconda3/include -arch x86_64 -DMSP_LIBRARY_VERSION_STR="0.6.1" -UNDEBUG -Ilib -I/anaconda3/lib/python3.7/site-packages/numpy/core/include -Ilib/kastore/c -I/usr/local/Cellar/gsl/2.5/include -I/anaconda3/include/python3.7m -c _msprimemodule.c -o build/temp.macosx-10.7-x86_64-3.7/_msprimemodule.o -std=c99
In file included from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/syslimits.h:7:0,
                 from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:34,
                 from /anaconda3/include/python3.7m/Python.h:11,
                 from _msprimemodule.c:23:
/usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:168:61: fatal error: limits.h: No such file or directory
#include_next <limits.h> /* recurse down to the real one */
                                                                    ^
compilation terminated.
error: command 'gcc' failed with exit status 1
-----

```

```

Command "/anaconda3/bin/python -u -c "import setuptools, tokenize;__file__='/private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-install-nsc3yh1b/msprime/setup.py';f=getattr(tokenize, 'open', open)(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code, __file__, 'exec'))" install --record /private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-record-ug_m3rrc/install-record.txt --single-version-externally-managed --compile" failed with error code 1 in /private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-install-nsc3yh1b/msprime/
katie@Katies-MacBook-Air:~$ brew install gsl
Updating Homebrew...
==> Auto-updated Homebrew!
Updated 1 tap (homebrew/core).
==> Updated Formulae
ios-deploy

```

```

Warning: gsl 2.5 is already installed and up-to-date
To reinstall 2.5, run `brew reinstall gsl`
katie@Katies-MacBook-Air:~$ conda create --name msprime-env
Solving environment: done

```

```

CondaHTTPError: HTTP 404 NOT FOUND for url <https://conda.anaconda.org/conda-forge/noarch/repodata.json>
Elapsed: 00:00.050850
CF-RAY: 47be4a25289fae20-B0S

```

The remote server could not find the noarch directory for the requested channel with url: <https://conda.anaconda.org/conda-forge>.

As of conda 4.3, a valid channel must contain a `noarch/repo_data.json` and associated `noarch/repo_data.json.bz2` file, even if `noarch/repo_data.json` is empty. please request that the channel administrator create `noarch/repo_data.json` and associated `noarch/repo_data.json.bz2` files.

```
$ mkdir noarch
$ echo '{}' > noarch/repo_data.json
$ bzip2 -k noarch/repo_data.json
```

You will need to adjust your conda configuration to proceed.
Use `conda config --show channels` to view your configuration's current state.
Further configuration help can be found at <https://conda.io/docs/config.html>.

```
katie@Katies-MacBook-Air:~$ conda config --remove channels conda-forge.
katie@Katies-MacBook-Air:~$ conda config --add channels conda-forge
Warning: 'conda-forge' already in 'channels' list, moving to the top
katie@Katies-MacBook-Air:~$ conda install msprime
Solving environment: | failed
```

CondaError: KeyboardInterrupt

```
katie@Katies-MacBook-Air:~$ conda create --name msprime-env
Solving environment: done
```

Package Plan

environment location: /anaconda3/envs/msprime-env

Proceed ([y]/n)? y

```
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
```

```
#
# To activate this environment, use
#
#     $ conda activate msprime-env
#
# To deactivate an active environment, use
#
#     $ conda deactivate
```

```
katie@Katies-MacBook-Air:~$ source activate msprime-env
(msprime-env) katie@Katies-MacBook-Air:~$ conda install -c conda-forge msprime
Solving environment: done
```

Package Plan

environment location: /anaconda3/envs/msprime-env

added / updated specs:
- msprime

The following packages will be downloaded:

package	build		
jsonschema-3.0.0a3	py36_1000	80 KB	conda-forge
libffi-3.2.1	hfc679d8_5	45 KB	conda-forge
attrs-18.2.0	py_0	30 KB	conda-forge
wheel-0.32.2	py36_0	34 KB	conda-forge
six-1.11.0	py36_1001	21 KB	conda-forge
zlib-1.2.11	h470a237_3	96 KB	conda-forge
openssl-1.0.2p	h470a237_1	2.9 MB	conda-forge
readline-7.0	haf1bffa_1	389 KB	conda-forge
certifi-2018.10.15	py36_1000	138 KB	conda-forge
svgwrite-1.2.1	py_0	46 KB	conda-forge
msprime-0.6.1	py36hcb787e7_0	270 KB	conda-forge
pyarsing-2.3.0	py_0	53 KB	conda-forge
mkf_fft-1.0.6	py36_0	159 KB	conda-forge
mkf_random-1.0.2	py36_0	377 KB	conda-forge
setuptools-40.6.2	py36_0	606 KB	conda-forge
pip-18.1	py36_1000	1.8 MB	conda-forge
h5py-2.8.0	py36h097b052_4	1.0 MB	conda-forge
hdf5-1.10.3	hc401514_2	5.1 MB	conda-forge
gsl-2.2.1	h002c638_3	2.7 MB	conda-forge
pyrsistent-0.14.6	py36h470a237_0	84 KB	conda-forge
bzip2-1.0.6	1	145 KB	conda-forge

ncurses-6.1		hfc679d8_1	1.2 MB	conda-forge
tk-8.6.9		ha92aebf_0	3.0 MB	conda-forge
ca-certificates-2018.10.15		ha4d7672_0	135 KB	conda-forge
python-3.6.6		h5001a0f_0	13.8 MB	conda-forge
sqlite-3.25.3		hb1c47c0_0	1.8 MB	conda-forge
xz-5.2.4		h470a237_1	315 KB	conda-forge

Total:			36.3 MB	

The following NEW packages will be INSTALLED:

attrs:	18.2.0-py_0	conda-forge
blas:	1.0-mkl	
bzip2:	1.0.6-1	conda-forge
ca-certificates:	2018.10.15-ha4d7672_0	conda-forge
certifi:	2018.10.15-py36_1000	conda-forge
gsl:	2.2.1-h002c638_3	
h5py:	2.8.0-py36h097b052_4	conda-forge
hdf5:	1.10.3-hc401514_2	conda-forge
intel-openmp:	2019.0-118	
jsonschema:	3.0.0a3-py36_1000	conda-forge
libffi:	3.2.1-hfc679d8_5	conda-forge
libgfortran:	3.0.1-h93005f0_2	
mkl:	2019.0-118	
mkl_fft:	1.0.6-py36_0	conda-forge
mkl_random:	1.0.2-py36_0	conda-forge
msprime:	0.6.1-py36hcb787e7_0	conda-forge
ncurses:	6.1-hfc679d8_1	conda-forge
numpy:	1.15.4-py36h6a91979_0	
numpy-base:	1.15.4-py36h8a80b8c_0	
openssl:	1.0.2p-h470a237_1	conda-forge
pip:	18.1-py36_1000	conda-forge
pyparsing:	2.3.0-py_0	conda-forge
pyrsistent:	0.14.6-py36h470a237_0	conda-forge
python:	3.6.6-h5001a0f_0	conda-forge
readline:	7.0-haf1bffa_1	conda-forge
setuptools:	40.6.2-py36_0	conda-forge
six:	1.11.0-py36_1001	conda-forge
sqlite:	3.25.3-hb1c47c0_0	conda-forge
svgwrite:	1.2.1-py_0	conda-forge
tk:	8.6.9-ha92aebf_0	conda-forge
wheel:	0.32.2-py36_0	conda-forge
xz:	5.2.4-h470a237_1	conda-forge
zlib:	1.2.11-h470a237_3	conda-forge

Proceed ([y]/n)? y

Downloading and Extracting Packages

jsonschema-3.0.0a3	80 KB	#####	100%
libffi-3.2.1	45 KB	#####	100%
attrs-18.2.0	30 KB	#####	100%
wheel-0.32.2	34 KB	#####	100%
six-1.11.0	21 KB	#####	100%
zlib-1.2.11	96 KB	#####	100%
openssl-1.0.2p	2.9 MB	#####	100%
readline-7.0	389 KB	#####	100%
certifi-2018.10.15	138 KB	#####	100%
svgwrite-1.2.1	46 KB	#####	100%
msprime-0.6.1	270 KB	#####	100%
pyparsing-2.3.0	53 KB	#####	100%
mkl_fft-1.0.6	159 KB	#####	100%
mkl_random-1.0.2	377 KB	#####	100%
setuptools-40.6.2	606 KB	#####	100%
pip-18.1	1.8 MB	#####	100%
h5py-2.8.0	1.0 MB	#####	100%
hdf5-1.10.3	5.1 MB	#####	100%
gsl-2.2.1	2.7 MB	#####	100%
pyrsistent-0.14.6	84 KB	#####	100%
bzip2-1.0.6	145 KB	#####	100%
ncurses-6.1	1.2 MB	#####	100%
tk-8.6.9	3.0 MB	#####	100%
ca-certificates-2018	135 KB	#####	100%
python-3.6.6	13.8 MB	#####	100%
sqlite-3.25.3	1.8 MB	#####	100%
xz-5.2.4	315 KB	#####	100%

Preparing transaction: done

Verifying transaction: done

Executing transaction: done

(msprime-env) katie@Katie's-MacBook-Air:~\$ python

Error in sitecustomize; set PYTHONVERBOSE for traceback:

KeyError: 'PYTHONPATH'

Python 3.6.6 | packaged by conda-forge | (default, Jul 26 2018, 09:55:02)

[GCC 4.2.1 Compatible Apple LLVM 6.1.0 (clang-602.0.53)] on darwin

```

Type "help", "copyright", "credits" or "license" for more information.
>>> import msprime
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
  File "/anaconda3/envs/msprime-env/lib/python3.6/site-packages/msprime/__init__.py", line 26, in <module>
    from _msprime import FORWARD # NOQA
ImportError: dlopen(/anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so, 2): Library not
loaded: @rpath/libopenblas.dylib
Referenced from: /anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so
Reason: image not found
>>> q
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'q' is not defined
>>>
KeyboardInterrupt
>>> logout
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'logout' is not defined
>>> quit
Use quit() or Ctrl-D (i.e. EOF) to exit
>>> quit()
(msprime-env) katie@Katies-MacBook-Air:~$ conda info --envs
# conda environments:
#
base                                /anaconda3
msprime-env                        * /anaconda3/envs/msprime-env
py36                               /anaconda3/envs/py36

(msprime-env) katie@Katies-MacBook-Air:~$ source deactivate
(base) katie@Katies-MacBook-Air:~$ pip3 install --upgrade pip setuptools
Requirement already up-to-date: pip in /anaconda3/lib/python3.7/site-packages (18.1)
Collecting setuptools
  Downloading https://files.pythonhosted.org/packages/e7/16/da8cb8046149d50940c6110310983abb359bbb8cbc3539e6bef95c29428a/
setuptools-40.6.2-py2.py3-none-any.whl (573kB)
    100% |#####| 573kB 3.8MB/s
twisted 18.7.0 requires PyHamcrest>=1.9.0, which is not installed.
Installing collected packages: setuptools
  Found existing installation: setuptools 40.2.0
    Uninstalling setuptools-40.2.0:
      Successfully uninstalled setuptools-40.2.0
Successfully installed setuptools-40.6.2
(base) katie@Katies-MacBook-Air:~$ pip3 install msprime
Collecting msprime
  Using cached https://files.pythonhosted.org/packages/43/b3/194690d20f18613ea3b08bea3866464c049a9959c1762a21105db53ce195/
msprime-0.6.1.tar.gz
Requirement already satisfied: numpy>=1.7.0 in /anaconda3/lib/python3.7/site-packages (from msprime) (1.15.1)
Requirement already satisfied: h5py in /anaconda3/lib/python3.7/site-packages (from msprime) (2.8.0)
Requirement already satisfied: svgwrite in /anaconda3/lib/python3.7/site-packages (from msprime) (1.2.1)
Requirement already satisfied: six in /anaconda3/lib/python3.7/site-packages (from msprime) (1.11.0)
Requirement already satisfied: jsonschema in /anaconda3/lib/python3.7/site-packages (from msprime) (2.6.0)
Requirement already satisfied: pyparsing>=2.0.1 in /anaconda3/lib/python3.7/site-packages (from msprime) (2.2.0)
Building wheels for collected packages: msprime
  Running setup.py bdist_wheel for msprime ... error
    Complete output from command /anaconda3/bin/python -u -c "import setuptools, tokenize;__file__='/private/var/folders/8p/
y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-install-wgw27548/msprime/setup.py';f=getattr(tokenize, 'open', open)
(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code, __file__, 'exec'))" bdist_wheel -d /private/var/
folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-wheel-5upsblnz --python-tag cp37:
      running bdist_wheel
      running build
      running build_py
      creating build
      creating build/lib.macosx-10.7-x86_64-3.7
      creating build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/_version.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/mutations.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/drawing.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/simulations.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/__init__.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/cli.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/stats.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/formats.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/exceptions.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/tables.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/provenance.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      copying msprime/trees.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
      running egg_info
      writing msprime.egg-info/PKG-INFO
      writing dependency_links to msprime.egg-info/dependency_links.txt
      writing entry points to msprime.egg-info/entry_points.txt
      writing requirements to msprime.egg-info/requirements.txt
      writing top-level names to msprime.egg-info/top_level.txt
      reading manifest file 'msprime.egg-info/SOURCES.txt'

```

```

reading manifest template 'MANIFEST.in'
warning: no files found matching 'README.txt'
writing manifest file 'msprime.egg-info/SOURCES.txt'
copying msprime/provenance.schema.json -> build/lib.macosx-10.7-x86_64-3.7/msprime
running build_ext
building '_msprime' extension
creating build/temp.macosx-10.7-x86_64-3.7
creating build/temp.macosx-10.7-x86_64-3.7/lib
creating build/temp.macosx-10.7-x86_64-3.7/lib/kastore
creating build/temp.macosx-10.7-x86_64-3.7/lib/kastore/c
gcc -Wno-unused-result -Wsign-compare -Wunreachable-code -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -I/anaconda3/
include -arch x86_64 -I/anaconda3/include -arch x86_64 -DMSP_LIBRARY_VERSION_STR="0.6.1" -UNDEBUG -Ilib -I/anaconda3/lib/
python3.7/site-packages/numpy/core/include -Ilib/kastore/c -I/usr/local/Cellar/gsl/2.5/include -I/anaconda3/include/
python3.7m -c _msprimemodule.c -o build/temp.macosx-10.7-x86_64-3.7/_msprimemodule.o -std=c99
In file included from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/syslimits.h:7:0,
                 from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:34,
                 from /anaconda3/include/python3.7m/Python.h:11,
                 from _msprimemodule.c:23:
/usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:168:61: fatal error: limits.h: No such file or
directory
#include_next <limits.h> /* recurse down to the real one */
^
compilation terminated.
error: command 'gcc' failed with exit status 1

-----
Failed building wheel for msprime
Running setup.py clean for msprime
Failed to build msprime
Installing collected packages: msprime
Running setup.py install for msprime ... error
Complete output from command /anaconda3/bin/python -u -c "import setuptools, tokenize;__file__='/private/var/folders/8p/
y5ntdql96r1gvxyz7jc99vzc0000gn/T/pip-install-wgw27548/msprime/setup.py';f=getattr(tokenize, 'open', open)
(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code, __file__, 'exec'))" install --record /private/
var/folders/8p/y5ntdql96r1gvxyz7jc99vzc0000gn/T/pip-record-w5rdn525/install-record.txt --single-version-externally-managed
--compile:
  running install
  running build
  running build_py
  creating build
  creating build/lib.macosx-10.7-x86_64-3.7
  creating build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/_version.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/mutations.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/drawing.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/simulations.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/_init_.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/cli.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/stats.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/formats.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/exceptions.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/tables.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/provenance.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  copying msprime/trees.py -> build/lib.macosx-10.7-x86_64-3.7/msprime
  running egg_info
  writing msprime.egg-info/PKG-INFO
  writing dependency_links to msprime.egg-info/dependency_links.txt
  writing entry points to msprime.egg-info/entry_points.txt
  writing requirements to msprime.egg-info/requirements.txt
  writing top-level names to msprime.egg-info/top_level.txt
  reading manifest file 'msprime.egg-info/SOURCES.txt'
  reading manifest template 'MANIFEST.in'
  warning: no files found matching 'README.txt'
  writing manifest file 'msprime.egg-info/SOURCES.txt'
  copying msprime/provenance.schema.json -> build/lib.macosx-10.7-x86_64-3.7/msprime
  running build_ext
  building '_msprime' extension
  creating build/temp.macosx-10.7-x86_64-3.7
  creating build/temp.macosx-10.7-x86_64-3.7/lib
  creating build/temp.macosx-10.7-x86_64-3.7/lib/kastore
  creating build/temp.macosx-10.7-x86_64-3.7/lib/kastore/c
  gcc -Wno-unused-result -Wsign-compare -Wunreachable-code -DNDEBUG -g -fwrapv -O3 -Wall -Wstrict-prototypes -I/anaconda3/
include -arch x86_64 -I/anaconda3/include -arch x86_64 -DMSP_LIBRARY_VERSION_STR="0.6.1" -UNDEBUG -Ilib -I/anaconda3/lib/
python3.7/site-packages/numpy/core/include -Ilib/kastore/c -I/usr/local/Cellar/gsl/2.5/include -I/anaconda3/include/
python3.7m -c _msprimemodule.c -o build/temp.macosx-10.7-x86_64-3.7/_msprimemodule.o -std=c99
In file included from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/syslimits.h:7:0,
                 from /usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:34,
                 from /anaconda3/include/python3.7m/Python.h:11,
                 from _msprimemodule.c:23:
/usr/local/lib/gcc/x86_64-apple-darwin14.0.0/4.9.2/include-fixed/limits.h:168:61: fatal error: limits.h: No such file or
directory
#include_next <limits.h> /* recurse down to the real one */
^
compilation terminated.

```

error: command 'gcc' failed with exit status 1

```
-----
Command "/anaconda3/bin/python -u -c "import setuptools, tokenize;__file__='/private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-install-wgw27548/msprime/setup.py';f=getattr(tokenize, 'open', open)(__file__);code=f.read().replace('\r\n', '\n');f.close();exec(compile(code, __file__, 'exec'))" install --record /private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-record-w5rds525/install-record.txt --single-version-externally-managed --compile" failed with error code 1 in /private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-install-wgw27548/msprime/
(base) katie@Katies-MacBook-Air:~$ source activate msprime-env
(msprime-env) katie@Katies-MacBook-Air:~$ mspms 10 1 -T
Error in sitecustomize; set PYTHONVERBOSE for traceback:
KeyError: 'PYTHONPATH'
Traceback (most recent call last):
  File "/anaconda3/envs/msprime-env/bin/mspms", line 7, in <module>
    from msprime.cli import mspms_main
  File "/anaconda3/envs/msprime-env/lib/python3.6/site-packages/msprime/__init__.py", line 26, in <module>
    from _msprime import FORWARD # NOQA
ImportError: dlopen(/anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so, 2): Library not loaded: @rpath/libopenblas.dylib
  Referenced from: /anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so
  Reason: image not found
(msprime-env) katie@Katies-MacBook-Air:~$
```

Session Contents Restored

```
Last login: Tue Nov 20 08:29:53 on console
source activate msprime-env
katie@Katies-MacBook-Air:~$ source activate msprime-env
(msprime-env) katie@Katies-MacBook-Air:~$ nano .bash_profile
(msprime-env) katie@Katies-MacBook-Air:~$
(msprime-env) katie@Katies-MacBook-Air:~$ conda install -c conda-forge msprime
Solving environment: done
```

Package Plan

```
environment location: /anaconda3/envs/msprime-env

added / updated specs:
- msprime
```

The following packages will be downloaded:

package	build	
mkl-2018.0.3	1	149.2 MB

The following packages will be DOWNGRADED:

```
mkl: 2019.0-118 --> 2018.0.3-1
```

Proceed ([y]/n)? y

```
Downloading and Extracting Packages
mkl-2018.0.3 | 149.2 MB | ##### | 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
(msprime-env) katie@Katies-MacBook-Air:~$ python
Python 3.6.6 | packaged by conda-forge | (default, Jul 26 2018, 09:55:02)
[GCC 4.2.1 Compatible Apple LLVM 6.1.0 (clang-602.0.53)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> mspms 10 1 -T
  File "<stdin>", line 1
    mspms 10 1 -T
    ^
SyntaxError: invalid syntax
>>> import msprime
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
  File "/anaconda3/envs/msprime-env/lib/python3.6/site-packages/msprime/__init__.py", line 26, in <module>
    from _msprime import FORWARD # NOQA
ImportError: dlopen(/anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so, 2): Library not loaded: @rpath/libopenblas.dylib
  Referenced from: /anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so
  Reason: image not found
>>>
KeyboardInterrupt
>>> quit()
(msprime-env) katie@Katies-MacBook-Air:~$ mspms 10 1 -T
Traceback (most recent call last):
  File "/anaconda3/envs/msprime-env/bin/mspms", line 7, in <module>
```

```

    from msprime.cli import mspms_main
    File "/anaconda3/envs/msprime-env/lib/python3.6/site-packages/msprime/__init__.py", line 26, in <module>
    from _msprime import FORWARD # NOQA
ImportError: dlopen(/anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so, 2): Library not
loaded: @rpath/libopenblas.dylib
    Referenced from: /anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so
    Reason: image not found
(msprime-env) katie@Katies-MacBook-Air:~$ conda config --add channels conda-forge
Warning: 'conda-forge' already in 'channels' list, moving to the top
(msprime-env) katie@Katies-MacBook-Air:~$ conda list
# packages in environment at /anaconda3/envs/msprime-env:
#
# Name                               Version                               Build                               Channel
attrs                               18.2.0                               py_0                               conda-forge
blas                                1.0                                   mkl                                conda-forge
bzip2                               1.0.6                                1                                  conda-forge
ca-certificates                     2018.10.15                           ha4d7672_0                         conda-forge
certifi                             2018.10.15                           py36_1000                         conda-forge
gsl                                  2.2.1                                h002c638_3                         conda-forge
h5py                                2.8.0                                py36h097b052_4                   conda-forge
hdf5                                 1.10.3                                hc401514_2                         conda-forge
intel-openmp                        2019.0                                118                                conda-forge
jsonschema                          3.0.0a3                              py36_1000                         conda-forge
libffi                              3.2.1                                hfc679d8_5                         conda-forge
libgfortran                        3.0.1                                h93005f0_2                         conda-forge
mkl                                 2018.0.3                              1                                  conda-forge
mkl_fft                             1.0.6                                py36_0                             conda-forge
mkl_random                         1.0.2                                py36_0                             conda-forge
msprime                             0.6.1                                py36hcb787e7_0                   conda-forge
ncurses                             6.1                                  hfc679d8_1                         conda-forge
numpy                               1.15.4                              py36h6a91979_0                   conda-forge
numpy-base                         1.15.4                              py36h8a80b8c_0                   conda-forge
openssl                             1.0.2p                               h470a237_1                         conda-forge
pip                                 18.1                                py36_1000                         conda-forge
pyparsing                          2.3.0                                py_0                               conda-forge
pysistent                          0.14.6                              py36h470a237_0                   conda-forge
python                             3.6.6                                h5001a0f_0                         conda-forge
readline                           7.0                                  haf1bffa_1                         conda-forge
setuptools                         40.6.2                              py36_0                             conda-forge
six                                 1.11.0                              py36_1001                         conda-forge
sqlite                              3.25.3                              hblc47c0_0                         conda-forge
svgwrite                           1.2.1                                py_0                               conda-forge
tk                                  8.6.9                                ha92aebf_0                         conda-forge
wheel                               0.32.2                              py36_0                             conda-forge
xz                                  5.2.4                                h470a237_1                         conda-forge
zlib                                1.2.11                              h470a237_3                         conda-forge
(msprime-env) katie@Katies-MacBook-Air:~$

```

Session Contents Restored

```

Last login: Tue Nov 20 12:45:31 on ttys000
katie@Katies-MacBook-Air:~$ mspms
-bash: mspms: command not found
katie@Katies-MacBook-Air:~$ conda remove msprime
Solving environment: /failed

```

PackagesNotFoundError: The following packages are missing from the target environment:

- msprime

```

katie@Katies-MacBook-Air:~$ conda activate msprime-env
(msprime-env) katie@Katies-MacBook-Air:~$ mspms
-bash: mspms: command not found
(msprime-env) katie@Katies-MacBook-Air:~$ ms --version
-bash: ms: command not found
(msprime-env) katie@Katies-MacBook-Air:~$ mspms 10 1 -T
Traceback (most recent call last):
  File "/anaconda3/envs/msprime-env/bin/mspms", line 7, in <module>
    from msprime.cli import mspms_main
    File "/anaconda3/envs/msprime-env/lib/python3.6/site-packages/msprime/__init__.py", line 26, in <module>
    from _msprime import FORWARD # NOQA
ImportError: dlopen(/anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so, 2): Library not
loaded: @rpath/libopenblas.dylib
    Referenced from: /anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so
    Reason: image not found
(msprime-env) katie@Katies-MacBook-Air:~$ conda list
# packages in environment at /anaconda3/envs/msprime-env:
#
# Name                               Version                               Build                               Channel
attrs                               18.2.0                               py_0                               conda-forge
blas                                1.0                                   mkl                                conda-forge
bzip2                               1.0.6                                1                                  conda-forge
ca-certificates                     2018.10.15                           ha4d7672_0                         conda-forge
certifi                             2018.10.15                           py36_1000                         conda-forge

```


gsl	2.2.1	h002c638_3	
h5py	2.8.0	py36h097b052_4	conda-forge
hdf5	1.10.3	hc401514_2	conda-forge
intel-openmp	2019.0	118	
jsschema	3.0.0a3	py36_1000	conda-forge
libffi	3.2.1	hfc679d8_5	conda-forge
libgfortran	3.0.1	h93005f0_2	
mkl	2018.0.3	1	
mkl_fft	1.0.6	py36_0	conda-forge
mkl_random	1.0.2	py36_0	conda-forge
msprime	0.6.1	py36hcb787e7_0	conda-forge
ncurses	6.1	hfc679d8_1	conda-forge
numpy	1.15.4	py36h6a91979_0	
numpy-base	1.15.4	py36h8a80b8c_0	
openssl	1.0.2p	h470a237_1	conda-forge
pip	18.1	py36_1000	conda-forge
pyparsing	2.3.0	py_0	conda-forge
pyrsistent	0.14.6	py36h470a237_0	conda-forge
python	3.6.6	h5001a0f_0	conda-forge
readline	7.0	haf1bffa_1	conda-forge
setuptools	40.6.2	py36_0	conda-forge
six	1.11.0	py36_1001	conda-forge
sqlite	3.25.3	hb1c47c0_0	conda-forge
svgwrite	1.2.1	py_0	conda-forge
tk	8.6.9	ha92aebf_0	conda-forge
wheel	0.32.2	py36_0	conda-forge
xz	5.2.4	h470a237_1	conda-forge
zlib	1.2.11	h470a237_3	conda-forge

(msprime-env) katie@Katies-MacBook-Air:~\$ conda remove blas
Solving environment: done

Package Plan

environment location: /anaconda3/envs/msprime-env

removed specs:
- blas

The following packages will be REMOVED:

blas:	1.0-mkl	
h5py:	2.8.0-py36h097b052_4	conda-forge
mkl_fft:	1.0.6-py36_0	conda-forge
mkl_random:	1.0.2-py36_0	conda-forge
msprime:	0.6.1-py36hcb787e7_0	conda-forge
numpy:	1.15.4-py36h6a91979_0	
numpy-base:	1.15.4-py36h8a80b8c_0	

Proceed ([y]/n)? y

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
(msprime-env) katie@Katies-MacBook-Air:~\$ conda config --add channels conda-forge
Warning: 'conda-forge' already in 'channels' list, moving to the top
(msprime-env) katie@Katies-MacBook-Air:~\$ conda install msprime
Solving environment: done

Package Plan

environment location: /anaconda3/envs/msprime-env

added / updated specs:
- msprime

The following NEW packages will be INSTALLED:

blas:	1.0-mkl	
h5py:	2.8.0-py36h097b052_4	conda-forge
mkl_fft:	1.0.6-py36_0	conda-forge
mkl_random:	1.0.2-py36_0	conda-forge
msprime:	0.6.1-py36hcb787e7_0	conda-forge
numpy:	1.15.4-py36h6a91979_0	
numpy-base:	1.15.4-py36h8a80b8c_0	

Proceed ([y]/n)? y

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
(msprime-env) katie@Katies-MacBook-Air:~\$ msp --version
Traceback (most recent call last):

```
File "/anaconda3/envs/msprime-env/bin/msp", line 7, in <module>
  from msprime.cli import msp_main
File "/anaconda3/envs/msprime-env/lib/python3.6/site-packages/msprime/__init__.py", line 26, in <module>
  from _msprime import FORWARD # NOQA
ImportError: dlopen(/anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so, 2): Library not
loaded: @rpath/libopenblas.dylib
Referenced from: /anaconda3/envs/msprime-env/lib/python3.6/site-packages/_msprime.cpython-36m-darwin.so
Reason: image not found
```

```
(msprime-env) katie@Katies-MacBook-Air:~$ conda list
```

```
# packages in environment at /anaconda3/envs/msprime-env:
```

```
#
# Name                                Version                                Build                                Channel
attrs                                18.2.0                                py_0                                conda-forge
blas                                  1.0                                    mkl                                  conda-forge
bzip2                                 1.0.6                                  1                                    conda-forge
ca-certificates                      2018.10.15                             ha4d7672_0                           conda-forge
certifi                               2018.10.15                             py36_1000                           conda-forge
gsl                                   2.2.1                                  h002c638_3                           conda-forge
h5py                                  2.8.0                                  py36h097b052_4                       conda-forge
hdf5                                  1.10.3                                 hc401514_2                           conda-forge
intel-openmp                         2019.0                                  118                                  conda-forge
jsonschema                           3.0.0a3                                py36_1000                           conda-forge
libffi                                3.2.1                                  hfc679d8_5                           conda-forge
libgfortran                          3.0.1                                  h93005f0_2                           conda-forge
mkl                                   2018.0.3                                1                                    conda-forge
mkl_fft                              1.0.6                                  py36_0                                conda-forge
mkl_random                           1.0.2                                  py36_0                                conda-forge
msprime                              0.6.1                                  py36hcb787e7_0                       conda-forge
ncurses                              6.1                                    hfc679d8_1                           conda-forge
numpy                                 1.15.4                                py36h6a91979_0                       conda-forge
numpy-base                           1.15.4                                py36h8a80b8c_0                       conda-forge
openssl                              1.0.2p                                 h470a237_1                           conda-forge
pip                                   18.1                                  py36_1000                           conda-forge
pyparsing                            2.3.0                                  py_0                                conda-forge
pysistent                            0.14.6                                py36h470a237_0                       conda-forge
python                               3.6.6                                  h5001a0f_0                           conda-forge
readline                             7.0                                    haf1bffa_1                           conda-forge
setuptools                            40.6.2                                py36_0                                conda-forge
six                                   1.11.0                                py36_1001                           conda-forge
sqlite                                 3.25.3                                hb1c47c0_0                           conda-forge
svgwrite                              1.2.1                                  py_0                                conda-forge
tk                                    8.6.9                                  ha92aebf_0                           conda-forge
wheel                                 0.32.2                                py36_0                                conda-forge
xz                                    5.2.4                                  h470a237_1                           conda-forge
zlib                                  1.2.11                                h470a237_3                           conda-forge
```

```
(msprime-env) katie@Katies-MacBook-Air:~$ conda install openblas
```

```
Solving environment: done
```

```
## Package Plan ##
```

```
environment location: /anaconda3/envs/msprime-env
```

```
added / updated specs:
```

```
- openblas
```

```
The following packages will be downloaded:
```

package	build	
openblas-0.3.3	ha44fe06_1	16.7 MB conda-forge

```
The following NEW packages will be INSTALLED:
```

```
openblas: 0.3.3-ha44fe06_1 conda-forge
```

```
Proceed ([y]/n)? y
```

```
Downloading and Extracting Packages
```

```
openblas-0.3.3 | 16.7 MB | ##### | 100%
```

```
Preparing transaction: done
```

```
Verifying transaction: done
```

```
Executing transaction: done
```

```
(msprime-env) katie@Katies-MacBook-Air:~$ msp --version
```

```
ImportError: numpy.core.multiarray failed to import
```

```
Traceback (most recent call last):
```

```
File "/anaconda3/envs/msprime-env/bin/msp", line 7, in <module>
```

```
  from msprime.cli import msp_main
```

```
File "/anaconda3/envs/msprime-env/lib/python3.6/site-packages/msprime/__init__.py", line 26, in <module>
```

```
  from _msprime import FORWARD # NOQA
```

```
ImportError: numpy.core.multiarray failed to import
```

```
(msprime-env) katie@Katies-MacBook-Air:~$ python
```

```
Python 3.6.6 | packaged by conda-forge | (default, Jul 26 2018, 09:55:02)
```

```
[GCC 4.2.1 Compatible Apple LLVM 6.1.0 (clang-602.0.53)] on darwin
Type "help", "copyright", "credits" or "license" for more information.
>>> import numpy as np
Traceback (most recent call last):
  File "/usr/local/lib/python2.7/site-packages/numpy/core/__init__.py", line 16, in <module>
    from . import multiarray
ImportError: dlopen(/usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so, 2): Symbol not found: _PyBuffer_Type
  Referenced from: /usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so
  Expected in: flat namespace
  in /usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so
```

During handling of the above exception, another exception occurred:

```
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
  File "/usr/local/lib/python2.7/site-packages/numpy/__init__.py", line 142, in <module>
    from . import add_newdocs
  File "/usr/local/lib/python2.7/site-packages/numpy/add_newdocs.py", line 13, in <module>
    from numpy.lib import add_newdoc
  File "/usr/local/lib/python2.7/site-packages/numpy/lib/__init__.py", line 8, in <module>
    from .type_check import *
  File "/usr/local/lib/python2.7/site-packages/numpy/lib/type_check.py", line 11, in <module>
    import numpy.core.numeric as _nx
  File "/usr/local/lib/python2.7/site-packages/numpy/core/__init__.py", line 26, in <module>
    raise ImportError(msg)
```

```
ImportError:
Importing the multiarray numpy extension module failed. Most
likely you are trying to import a failed build of numpy.
If you're working with a numpy git repo, try `git clean -xdf` (removes all
files not under version control). Otherwise reinstall numpy.
```

```
Original error was: dlopen(/usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so, 2): Symbol not found:
_PyBuffer_Type
  Referenced from: /usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so
  Expected in: flat namespace
  in /usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so
```

```
>>> exit()
(msprime-env) katie@Katies-MacBook-Air:~$ conda list
# packages in environment at /anaconda3/envs/msprime-env:
#
# Name                      Version                      Build      Channel
attrs                       18.2.0                      py_0       conda-forge
blas                        1.0                          mkl
bzip2                       1.0.6                        1          conda-forge
ca-certificates             2018.10.15                   ha4d7672_0 conda-forge
certifi                     2018.10.15                   py36_1000 conda-forge
gsal                        2.2.1                        h002c638_3
h5py                        2.8.0                        py36h097b052_4 conda-forge
hdf5                        1.10.3                       hc401514_2 conda-forge
intel-openmp                2019.0                       118
jsonschema                  3.0.0a3                      py36_1000 conda-forge
libffi                      3.2.1                        hfc679d8_5 conda-forge
libgfortran                 3.0.1                        h93005f0_2
mkl                         2018.0.3                     1
mkl_fft                    1.0.6                        py36_0     conda-forge
mkl_random                 1.0.2                        py36_0     conda-forge
msprime                    0.6.1                        py36hcb787e7_0 conda-forge
ncurses                    6.1                          hfc679d8_1 conda-forge
numpy                      1.15.4                       py36h6a91979_0
numpy-base                 1.15.4                       py36h8a80b8c_0
openblas                   0.3.3                        ha44fe06_1 conda-forge
openssl                    1.0.2p                       h470a237_1 conda-forge
pip                        18.1                         py36_1000 conda-forge
pyparsing                  2.3.0                        py_0       conda-forge
pysistent                  0.14.6                       py36h470a237_0 conda-forge
python                     3.6.6                        h5001a0f_0 conda-forge
readline                   7.0                          haf1bffa_1 conda-forge
setuptools                 40.6.2                       py36_0     conda-forge
six                        1.11.0                       py36_1001 conda-forge
sqlite                     3.25.3                       hb1c47c0_0 conda-forge
svgwrite                   1.2.1                        py_0       conda-forge
tk                          8.6.9                        ha92aebf_0 conda-forge
wheel                      0.32.2                       py36_0     conda-forge
xz                         5.2.4                        h470a237_1 conda-forge
zlib                      1.2.11                       h470a237_3 conda-forge
```

```
(msprime-env) katie@Katies-MacBook-Air:~$ conda upgrade numpy
Solving environment: done
```

Package Plan

environment location: /anaconda3/envs/msprime-env

added / updated specs:

- numpy

The following packages will be downloaded:

package	build		
blas-1.1	openblas	1 KB	conda-forge
libopenblas-0.3.3	hdc02c5d_3	8.4 MB	
numpy-base-1.15.4	py36ha711998_0	4.0 MB	
gsl-2.2.1	blas_openblashddceaf2_6	2.1 MB	conda-forge
numpy-1.15.4	py36_blas_openblashb06ca3d_0	4.1 MB	conda-forge
Total:		18.6 MB	

The following NEW packages will be INSTALLED:

libopenblas: 0.3.3-hdc02c5d_3

The following packages will be UPDATED:

blas: 1.0-mkl --> 1.1-openblas conda-forge
gsl: 2.2.1-h002c638_3 --> 2.2.1-blas_openblashddceaf2_6 conda-forge [blas_openblas]
numpy: 1.15.4-py36h6a91979_0 --> 1.15.4-py36_blas_openblashb06ca3d_0 conda-forge [blas_openblas]
numpy-base: 1.15.4-py36h8a80b8c_0 --> 1.15.4-py36ha711998_0

Proceed ([y]/n)? y

Downloading and Extracting Packages

blas-1.1	1 KB	#####	100%
libopenblas-0.3.3	8.4 MB	#####	100%
numpy-base-1.15.4	4.0 MB	#####	100%
gsl-2.2.1	2.1 MB	#####	100%
numpy-1.15.4	4.1 MB	#####	100%

Preparing transaction: done

Verifying transaction: done

Executing transaction: done

(msprime-env) katie@Katies-MacBook-Air:~\$ msp --version

ImportError: numpy.core.multiarray failed to import

Traceback (most recent call last):

File "/anaconda3/envs/msprime-env/bin/msp", line 7, in <module>

from msprime.cli import msp_main

File "/anaconda3/envs/msprime-env/lib/python3.6/site-packages/msprime/__init__.py", line 26, in <module>

from _msprime import FORWARD # NOQA

ImportError: numpy.core.multiarray failed to import

(msprime-env) katie@Katies-MacBook-Air:~\$ python

Python 3.6.6 | packaged by conda-forge | (default, Jul 26 2018, 09:55:02)

[GCC 4.2.1 Compatible Apple LLVM 6.1.0 (clang-602.0.53)] on darwin

Type "help", "copyright", "credits" or "license" for more information.

>>> import numpy as np

Traceback (most recent call last):

File "/usr/local/lib/python2.7/site-packages/numpy/core/__init__.py", line 16, in <module>

from . import multiarray

ImportError: dlopen(/usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so, 2): Symbol not found: _PyBuffer_Type

Referenced from: /usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so

Expected in: flat namespace

in /usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so

During handling of the above exception, another exception occurred:

Traceback (most recent call last):

File "<stdin>", line 1, in <module>

File "/usr/local/lib/python2.7/site-packages/numpy/__init__.py", line 142, in <module>

from . import add_newdocs

File "/usr/local/lib/python2.7/site-packages/numpy/add_newdocs.py", line 13, in <module>

from numpy.lib import add_newdoc

File "/usr/local/lib/python2.7/site-packages/numpy/lib/__init__.py", line 8, in <module>

from .type_check import *

File "/usr/local/lib/python2.7/site-packages/numpy/lib/type_check.py", line 11, in <module>

import numpy.core.numeric as _nx

File "/usr/local/lib/python2.7/site-packages/numpy/core/__init__.py", line 26, in <module>

raise ImportError(msg)

ImportError:

Importing the multiarray numpy extension module failed. Most

likely you are trying to import a failed build of numpy.

If you're working with a numpy git repo, try `git clean -xdf` (removes all

files not under version control). Otherwise reinstall numpy.

Original error was: dlopen(/usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so, 2): Symbol not found:

_PyBuffer_Type

Referenced from: /usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so

Expected in: flat namespace

in /usr/local/lib/python2.7/site-packages/numpy/core/multiarray.so

```

>>> exit
Use exit() or Ctrl-D (i.e. EOF) to exit
>>> exit)
  File "<stdin>", line 1
    exit)
    ^
SyntaxError: invalid syntax
>>> exit()
(msprime-env) katie@Katies-MacBook-Air:~$ rm /usr/local/lib/python2.7/site-packages/numpy/
rm: cannot remove '/usr/local/lib/python2.7/site-packages/numpy/': Is a directory
(msprime-env) katie@Katies-MacBook-Air:~$ rm -rf /usr/local/lib/python2.7/site-packages/numpy/
(msprime-env) katie@Katies-MacBook-Air:~$ msprime --version
-bash: msprime: command not found
(msprime-env) katie@Katies-MacBook-Air:~$ msp --version
msp 0.6.1
(msprime-env) katie@Katies-MacBook-Air:~$ mspms 10 1 -T
/anaconda3/envs/msprime-env/bin/mspms 10 1 -T
1128404484 1004249678 1646380000

//
((2:0.173,(3:0.036,4:0.036):0.137):0.135,((5:0.104,(6:0.035,7:0.035):0.069):0.189,(10:0.264,(8:0.101,(1:0.071,9:0.071):
0.029):0.163):0.029):0.016);
(msprime-env) katie@Katies-MacBook-Air:~$

```