```
        MANPATH="/usr/local/opt/coreutils/libexec/gnuman:$MANPATH"

katie@Katies-MacBook-Air:~$
katie@Katies-MacBook-Air:~$ brew install gsl
Updating Homebrew...
==> Auto-updated Homebrew!
Updated 1 tap (homebrew/core).
==> Updated Formulae
ammonite-repl              fluent-bit                serverless
elektra                    gobject-introspection     sfcgal
exercism                   libvirt                   tinyxml2

Warning: gsl 2.5 is already installed, it's just not linked
You can use `brew link gsl` to link this version.
katie@Katies-MacBook-Air:~$ brew link gsl
Linking /usr/local/Cellar/gsl/2.5...
Error: Could not symlink lib/libgslcblas.0.dylib
Target /usr/local/lib/libgslcblas.0.dylib
already exists. You may want to remove it:
  rm '/usr/local/lib/libgslcblas.0.dylib'

To force the link and overwrite all conflicting files:
  brew link --overwrite gsl

To list all files that would be deleted:
  brew link --overwrite --dry-run gsl
katie@Katies-MacBook-Air:~$ brew link --overwrite gsl
Linking /usr/local/Cellar/gsl/2.5... 17 symlinks created
katie@Katies-MacBook-Air:~$ python -m pip install msprime
Collecting msprime
  Downloading https://files.pythonhosted.org/packages/43/
b3/194690d20f18613ea3b08bea3866464c049a9959c1762a21105db53ce195/msprime-0.6.1.tar.gz
(843kB)
    100% |████████████████████████████████| 849kB 3.2MB/s
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)
Collecting svgwrite (from msprime)
  Downloading https://files.pythonhosted.org/packages/87/ce/
3259f75aebb12d8c7dd9e8c479ad4968db5ed18e03f24ee4f6be9d9aed23/svgwrite-1.2.1-py2.py3-
none-any.whl (66kB)
    100% |████████████████████████████████| 71kB 4.4MB/s
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/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-
install-p7mk_fqz/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-806i76d5 --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/requires.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: svgwrite, 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-p7mk_fqz/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-ic7i0zl4/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/requires.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-p7mk_fqz/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-ic7i0zl4/install-record.txt --
single-version-externally-managed --compile" failed with error code 1 in /private/
var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-install-p7mk_fqz/msprime/
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

CondaHTTPError: HTTP 404 NOT FOUND for url <https://conda.anaconda.org/conda-forge./
noarch/repodata.json>
Elapsed: 00:00.191097
CF-RAY: 47be44efc912ae1a-BOS

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/repodata.json` and
associated `noarch/repodata.json.bz2` file, even if `noarch/repodata.json` is
empty. please request that the channel administrator create
`noarch/repodata.json` and associated `noarch/repodata.json.bz2` files.
$ mkdir noarch
$ echo '{}' > noarch/repodata.json
$ bzip2 -k noarch/repodata.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:~$  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 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/y5ntdql96r1gvyxz7jc99vzc0000gn/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'))" bdist_wheel -d /private/var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/T/
pip-wheel-0e5z46un --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/requires.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-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/y5ntdql96r1gvyxz7jc99vzc0000gn/T/
pip-record-rcxahfod/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/requires.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-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/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-record-rcxahfod/install-record.txt --
single-version-externally-managed --compile" failed with error code 1 in /private/
var/folders/8p/y5ntdql96r1gvyxz7jc99vzc0000gn/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/y5ntdql96r1gvyxz7jc99vzc0000gn/T/pip-
install-nsc3yhlb/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-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/requires.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-nsc3yhlb/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/requires.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-nsc3yhlb/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-nsc3yhlb/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-BOS

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/repodata.json` and
associated `noarch/repodata.json.bz2` file, even if `noarch/repodata.json` is
empty. please request that the channel administrator create
`noarch/repodata.json` and associated `noarch/repodata.json.bz2` files.
$ mkdir noarch
$ echo '{}' > noarch/repodata.json
$ bzip2 -k noarch/repodata.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
    pyparsing-2.3.0            |              py_0         53 KB  conda-forge
    mkl_fft-1.0.6              |            py36_0        159 KB  conda-forge
    mkl_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
    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@Katies-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 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/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-5upslbnz --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/requires.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-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-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/requires.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-w5rdn525/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:~$
```