

```
Anaconda Prompt (Anaconda3)
Downloading pyunicorn-0.6.1.tar.gz (881 kB)
881 kB 3.3 MB/s
Requirement already satisfied: numpy>=1.14 in c:\users\murtadha\anaconda3\lib\site-packages (from pyunicorn) (1.18.1)
Requirement already satisfied: scipy>=1.0 in c:\users\murtadha\anaconda3\lib\site-packages (from pyunicorn) (1.4.1)
Requirement already satisfied: python-igraph>=0.7 in c:\users\murtadha\anaconda3\lib\site-packages (from pyunicorn) (0.8.0)
Requirement already satisfied: texttable>=1.6.2 in c:\users\murtadha\anaconda3\lib\site-packages (from python-igraph>=0.7->pyunicorn) (1.6.2)
Building wheels for collected packages: pyunicorn
Building wheel for pyunicorn (setup.py) ... error
ERROR: Command errored out with exit status 1:
  command: 'c:\users\murtadha\anaconda3\python.exe' -u -c 'import sys, setuptools, tokenize; sys.argv[0] = '"'"'C:\Users\murtadha\AppData\Local\Temp\pip-install-nx4defc0\pyunicorn\setup.py'"'"'; __file__ = '"'"'C:\Users\murtadha\AppData\Local\Temp\pip-install-nx4defc0\pyunicorn\setup.py'"'"'; f=getattr(tokenize, '"'"'open'"'"', open)(__file__);code=f.read().replace('"'"'\n'"'"', '"'"'\n'"'"');f.close();exec(compile(code, __file__, '"'"'exec'"'"'))' bdist_wheel -d 'C:\Users\murtadha\AppData\Local\Temp\pip-wheel-2734e90x'
  cwd: C:\Users\murtadha\AppData\Local\Temp\pip-install-nx4defc0\pyunicorn\
Complete output (98 lines):
running bdist_wheel
running build
running build_py
creating build
creating build\lib.win-amd64-3.7
creating build\lib.win-amd64-3.7\pyunicorn
copying pyunicorn\confest.py -> build\lib.win-amd64-3.7\pyunicorn
copying pyunicorn\_init_.py -> build\lib.win-amd64-3.7\pyunicorn
creating build\lib.win-amd64-3.7\pyunicorn\core
copying pyunicorn\core\data.py -> build\lib.win-amd64-3.7\pyunicorn\core
copying pyunicorn\core\geo_network.py -> build\lib.win-amd64-3.7\pyunicorn\core
copying pyunicorn\core\grid.py -> build\lib.win-amd64-3.7\pyunicorn\core
copying pyunicorn\core\interacting_networks.py -> build\lib.win-amd64-3.7\pyunicorn\core
copying pyunicorn\core\netcdf_dictionary.py -> build\lib.win-amd64-3.7\pyunicorn\core
copying pyunicorn\core\network.py -> build\lib.win-amd64-3.7\pyunicorn\core
copying pyunicorn\core\resistive_network.py -> build\lib.win-amd64-3.7\pyunicorn\core
copying pyunicorn\core\_init_.py -> build\lib.win-amd64-3.7\pyunicorn\core
creating build\lib.win-amd64-3.7\pyunicorn\core\_ext
copying pyunicorn\core\_ext\_init_.py -> build\lib.win-amd64-3.7\pyunicorn\core\_ext
creating build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\climate_data.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\climate_network.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\coupled_climate_network.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\coupled_tsonis.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\eventsynchronization_climate_network.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\havlfn.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\hilbert.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\map_plots.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\mutual_info.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\partial_correlation.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\rainfall.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\spearman.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\tsonis.py -> build\lib.win-amd64-3.7\pyunicorn\climate
copying pyunicorn\climate\_init_.py -> build\lib.win-amd64-3.7\pyunicorn\climate
creating build\lib.win-amd64-3.7\pyunicorn\climate\_ext
copying pyunicorn\climate\_ext\_init_.py -> build\lib.win-amd64-3.7\pyunicorn\climate\_ext
creating build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\cross_recurrence_plot.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\inter_system_recurrence_network.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\joint_recurrence_network.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\joint_recurrence_plot.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\recurrence_network.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\recurrence_plot.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\surrogates.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\visibility_graph.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
copying pyunicorn\timeseries\_init_.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries
creating build\lib.win-amd64-3.7\pyunicorn\timeseries\_ext
copying pyunicorn\timeseries\_ext\_init_.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries\_ext
creating build\lib.win-amd64-3.7\pyunicorn\funcnet
```

```
Anacoda Prompt (Anaconda3)
includeum" "IC:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\um" "IC:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\shared" "IC:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\winrt" "IC:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\cppwinrt" /Fcpunicorn\climate_ext\numerics.c /Fobuild\temp.win-amd64-3.7\Release\pyunicorn\climate_ext\numerics.obj -O3 -std=c99
c1 : Command line warning D9002 : ignoring unknown option '-O3'
c1 : Command line warning D9002 : ignoring unknown option '-std=c99'
numerics.c
c:\Users\murtadha\anaconda3\lib\site-packages\numpy\core\include\numpy\npy_1_7_deprecated_api.h(14) : Warning Msg: Using deprecated NumPy API, disable it with #define NPY_NO_DEPRECATED_API NPY_1_7_API_VERSION
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(35): warning C4133: '=': incompatible types - from 'float *' to 'double *'
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(47): warning C4244: '=': conversion from 'double' to 'long', possible loss of data
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(133): warning C4244: '+' : conversion from 'double' to 'float', possible loss of data
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(196): error C2057: expected constant expression
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(196): error C2466: cannot allocate an array of constant size 0
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(196): error C2133: 'ranked1': unknown size
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(197): error C2057: expected constant expression
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(197): error C2466: cannot allocate an array of constant size 0
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(197): error C2133: 'rankedj': unknown size
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(198): error C2057: expected constant expression
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(198): error C2466: cannot allocate an array of constant size 0
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(198): error C2133: 'normalizedi': unknown size
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(199): error C2057: expected constant expression
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(199): error C2466: cannot allocate an array of constant size 0
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(199): error C2133: 'normalizedj': unknown size
C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(232): warning C4244: '=': conversion from 'double' to 'float', possible loss of data
pyunicorn\climate_ext\numerics.c(2353): warning C4244: 'function': conversion from 'double' to 'float', possible loss of data
pyunicorn\climate_ext\numerics.c(2353): warning C4244: 'function': conversion from 'double' to 'float', possible loss of data
error: command 'C:\Program Files (x86)\Microsoft Visual Studio\2019\BuildTools\VC\Tools\MSVC\14.24.28314\bin\HostX86\x64\cl.exe' failed with exit status 2

ERROR: Failed building wheel for pyunicorn
Running setup.py clean for pyunicorn
Failed to build pyunicorn
Installing collected packages: pyunicorn
Running setup.py install for pyunicorn ... error
ERROR: Command errored out with exit status 1:
  command: 'c:\Users\murtadha\anaconda3\python.exe' -u -c 'import sys, setuptools, tokenize; sys.argv[0] = '"'"'C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\setup.py'"'"'; __file__ = '"'"'C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\setup.py'"'"'; f=getattr(tokenize, '"'"'open'"'"', open)(__file__);code=f.read().replace('"'"'\r\n'"'"', '"'"'\n'"'"');f.close();exec(compile(code, __file__, '"'"'exec'"'"'))' install --record 'C:\Users\murtadha\AppData\Local\Temp\pip-record-x3q5qz8\install-record.txt' --single-version-externally-managed --compile --install-headers 'c:\Users\murtadha\anaconda3\include\pyunicorn'
  cwd: C:\Users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\

Complete output (98 lines):
  running install
  running build
  running build_py
  creating build
  creating build\lib.win-amd64-3.7
  creating build\lib.win-amd64-3.7\pyunicorn
  copying pyunicorn\confest.py -> build\lib.win-amd64-3.7\pyunicorn
  copying pyunicorn\__init__.py -> build\lib.win-amd64-3.7\pyunicorn
  creating build\lib.win-amd64-3.7\pyunicorn\core
  copying pyunicorn\core\data.py -> build\lib.win-amd64-3.7\pyunicorn\core
  copying pyunicorn\core\geo_network.py -> build\lib.win-amd64-3.7\pyunicorn\core
  copying pyunicorn\core\grid.py -> build\lib.win-amd64-3.7\pyunicorn\core
  copying pyunicorn\core\interacting_networks.py -> build\lib.win-amd64-3.7\pyunicorn\core
  copying pyunicorn\core\netcdf_dictionary.py -> build\lib.win-amd64-3.7\pyunicorn\core
  copying pyunicorn\core\network.py -> build\lib.win-amd64-3.7\pyunicorn\core
  copying pyunicorn\core\nesistive_network.py -> build\lib.win-amd64-3.7\pyunicorn\core
  copying pyunicorn\core\__init__.py -> build\lib.win-amd64-3.7\pyunicorn\core
  creating build\lib.win-amd64-3.7\pyunicorn\core_ext
  copying pyunicorn\core_ext\__init__.py -> build\lib.win-amd64-3.7\pyunicorn\core_ext
  creating build\lib.win-amd64-3.7\pyunicorn\climate
  copying pyunicorn\climate\climate_data.py -> build\lib.win-amd64-3.7\pyunicorn\climate
  copying pyunicorn\climate\climate_network.py -> build\lib.win-amd64-3.7\pyunicorn\climate
  copying pyunicorn\climate\coupled_climate_network.py -> build\lib.win-amd64-3.7\pyunicorn\climate
  copying pyunicorn\climate\coupled_tsonis.py -> build\lib.win-amd64-3.7\pyunicorn\climate
  copying pyunicorn\climate\eventsynchronization_climatenetwork.py -> build\lib.win-amd64-3.7\pyunicorn\climate
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copying pyunicorn\timeseries_ext\__init__.py -> build\lib.win-amd64-3.7\pyunicorn\timeseries_ext
creating build\lib.win-amd64-3.7\pyunicorn\funcnet
copying pyunicorn\funcnet\coupling_analysis.py -> build\lib.win-amd64-3.7\pyunicorn\funcnet
copying pyunicorn\funcnet\coupling_analysis_pure_python.py -> build\lib.win-amd64-3.7\pyunicorn\funcnet
copying pyunicorn\funcnet\event_synchronization.py -> build\lib.win-amd64-3.7\pyunicorn\funcnet
copying pyunicorn\funcnet\__init__.py -> build\lib.win-amd64-3.7\pyunicorn\funcnet
creating build\lib.win-amd64-3.7\pyunicorn\funcnet_ext
copying pyunicorn\funcnet_ext\__init__.py -> build\lib.win-amd64-3.7\pyunicorn\funcnet_ext
package init file 'pyunicorn\eventseries\__init__.py' not found (or not a regular file)
creating build\lib.win-amd64-3.7\pyunicorn\eventseries
copying pyunicorn\eventseries\eca.py -> build\lib.win-amd64-3.7\pyunicorn\eventseries
creating build\lib.win-amd64-3.7\pyunicorn\utils
copying pyunicorn\utils\mpi.py -> build\lib.win-amd64-3.7\pyunicorn\utils
copying pyunicorn\utils\navigator.py -> build\lib.win-amd64-3.7\pyunicorn\utils
copying pyunicorn\utils\__init__.py -> build\lib.win-amd64-3.7\pyunicorn\utils
creating build\lib.win-amd64-3.7\pyunicorn\utils\progressbar
copying pyunicorn\utils\progressbar\compat.py -> build\lib.win-amd64-3.7\pyunicorn\utils\progressbar
copying pyunicorn\utils\progressbar\progressbar.py -> build\lib.win-amd64-3.7\pyunicorn\utils\progressbar
copying pyunicorn\utils\progressbar\widgets.py -> build\lib.win-amd64-3.7\pyunicorn\utils\progressbar
copying pyunicorn\utils\progressbar\__init__.py -> build\lib.win-amd64-3.7\pyunicorn\utils\progressbar
running build_ext
building 'pyunicorn.climate_ext.numerics' extension
creating build\temp.win-amd64-3.7
creating build\temp.win-amd64-3.7\Release
creating build\temp.win-amd64-3.7\Release\pyunicorn
creating build\temp.win-amd64-3.7\Release\pyunicorn\climate
creating build\temp.win-amd64-3.7\Release\pyunicorn\climate_ext
C:\Program Files (x86)\Microsoft Visual Studio\2019\BuildTools\VC\Tools\MSVC\14.24.28314\bin\HostX86\x64\cl.exe /c /nologo /Ox /W3 /GL /DNDEBUG /MD -Ipyunicorn\climate_ext -Ic:\users\murtadha\anaconda3\lib\site-packages\numpy\core\include -Ic:\users\murtadha\anaconda3\include -Ic:\Program Files (x86)\Microsoft Visual Studio\2019\BuildTools\VC\Tools\MSVC\14.24.28314\include" "-Ic:\Program Files (x86)\Windows Kits\10\include\4.6.1\include\um" "-Ic:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\ucrt" "-Ic:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\shared" "-Ic:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\um" "-Ic:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\winrt" "-Ic:\Program Files (x86)\Windows Kits\10\include\10.0.18362.0\cppwinrt" /Tpyunicorn\climate_ext\numerics.c /Fobuild\temp.win-amd64-3.7\Release\pyunicorn\climate_ext\numerics.obj -D3 -std=c99
cl : Command line warning D9802 : ignoring unknown option '-O3'
cl : Command line warning D9802 : ignoring unknown option '-std=c99'
numerics.c
c:\users\murtadha\anaconda3\lib\site-packages\numpy\core\include\numpy\npy_1_7_deprecated_api.h(14) : Warning Msg: Using deprecated NumPy API, disable it with #define NPY_NO_DEPRECATED_API NPY_1_7_API_VERSION
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(35): warning C4133: '=': incompatible types - from 'float *' to 'double *'
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(47): warning C4244: '=': conversion from 'double' to 'long', possible loss of data
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(133): warning C4244: '+=': conversion from 'double' to 'float', possible loss of data
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(196): error C2057: expected constant expression
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(196): error C2466: cannot allocate an array of constant size 0
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(196): error C2133: 'ranked1': unknown size
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(197): error C2057: expected constant expression
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(197): error C2466: cannot allocate an array of constant size 0
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(197): error C2133: 'rankedj': unknown size
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(198): error C2057: expected constant expression
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(198): error C2466: cannot allocate an array of constant size 0
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(198): error C2133: 'normalized1': unknown size
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(199): error C2057: expected constant expression
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(199): error C2466: cannot allocate an array of constant size 0
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(199): error C2133: 'normalizedj': unknown size
C:\Users\Murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\pyunicorn\climate_ext\src\numerics.c(232): warning C4244: '=': conversion from 'double' to 'float', possible loss of data
pyunicorn\climate_ext\numerics.c(235): warning C4244: 'function': conversion from 'double' to 'float', possible loss of data
pyunicorn\climate_ext\numerics.c(235): warning C4244: 'function': conversion from 'double' to 'float', possible loss of data
error: command 'C:\Program Files (x86)\Microsoft Visual Studio\2019\BuildTools\VC\Tools\MSVC\14.24.28314\bin\HostX86\x64\cl.exe' failed with exit status 2
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ERROR: Command errored out with exit status 1: 'c:\users\murtadha\anaconda3\python.exe' -u -c 'import sys, setuputils, tokenize; sys.argv[0] = ''''c:\users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\setup.py''''; __file__ = ''''c:\users\murtadha\AppData\Local\Temp\pip-install-nxa4efc0\pyunicorn\setup.py''''; f=getattr(tokenize, ''''open'''').open(__file__);code=f.read().replace(''''\n''', ''''\n''');f.close();exec(compile(code, __file__, ''''exec''''))' install --record 'C:\Users\Murtadha\AppData\Local\Temp\pip-record-x3q5q728\install-record.txt' --single-version-externally-managed --compile --install-headers 'c:\users\murtadha\anaconda3\include\pyunicorn'
Check the logs for full command output.
```

(base) C:\Users\Murtadha>