

Logan Graham

to Rajat, Hugo, Sam, me ▾

Tue, Oct 20, 8:35 PM (19 hours ago)



In case Gaurish's code doesn't immediately work, see the following. Note that Sam reported no such issues. I was running Python 3.8.6 on linux (debian gnu/Linux 10 buster).

(1) I received (and mitigated) the following error message pertaining to pyconcorde's `__init__.py` file:

```
Enter code for the graph you need to span the points:
(knng)   k-Nearest Neighbor Graph
(mst)    Minimum Spanning Tree
(onion)  Onion
(dt)     Delaunay Triangulation
(conc)   TSP computed by the Concorde TSP library
(pyts)   TSP computed by the pure Python TSP library
onion
Traceback (most recent call last):
  File "/home/logan/Software/miniconda3/lib/python3.8/site-packages/matplotlib/cbook/__init__.py",
    line 224, in process
    func(*args, **kwargs)
  File "/home/logan/Public/tspnng/src/tspnng.py", line 206, in keyPressHandler
    common_edges = list_common_edges(get_concorde_tsp_graph(run.points), geometric_graph)
  File "/home/logan/Public/tspnng/src/tspnng.py", line 425, in get_concorde_tsp_graph
    from concorde.tsp import TSPSolver
  File "/home/logan/Software/miniconda3/lib/python3.8/site-packages/concorde/__init__.py", line 8
    in <module>
    from urlparse import urljoin
ModuleNotFoundError: No module named 'urlparse'
```

To fix this, I opened up `/home/logan/Software/miniconda3/lib/python3.8/site-packages/concorde/__init__.py` in Vim, and I commented-out line 8, which is legacy code that broke for my Python 3.8.6 version. Explanation: below line 8, there's a try-except statement that handles Python 2 vs Python 3 (Stack Overflow said that Python 2's `urlparse` is renamed `urllib.parse` in Python 3). Ostensibly, the person who wrote this try-except statement forgot to delete line 8. Someone who isn't as Python savvy might struggle with this unless they are told how to fix it.

(2) Perhaps instruct people to git clone the pyconcorde repo into `tspnng/src/`

This is important, as your import statements are of the form `from concorde.tsp import` (blah). So, users need to have `concorde` as a subdirectory of `src`, otherwise Python won't be able to find the `concorde` directory (unless someone is clever with setting up their load path).



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