# Reading and writing graphs

* I tried four methods for reading and writing graphs:

# nx.write\_gml(G, "graph.graphml")

# nx.write\_graphml(G, "graph.graphml")

* I found neither of these worked. The guidance describes certain limitation. TBH I didn’t investigate much further as the following two approaches work.

I tried using pickle:

* The former is decpricated: [Migration guide from 2.X to 3.0 — NetworkX 3.2.1 documentation](https://networkx.org/documentation/stable/release/migration_guide_from_2.x_to_3.0.html)
* The latter id recommended and described here: <https://stackoverflow.com/questions/64846222/store-networkx-graph-object>

nx.write\_gpickle(G, 'graph2.pkl')

pickle.dump(G, open('graph.pkl', 'wb'))

**Recommendation**

* Using pickle.dump / pickle.load