

```

# Step 2: Construct Graph Object
G = nx.Graph() # Initialize graph

# Use indices of adj_mat to successively add edges to graph

# 'conn_list' structure:
# [ 2, 1, 1
#  3, 4, 1
#  ...
# 175, 171, 1]

# This means at place (2,1) the adj_mat has a value of 1, so that is an edge...
# Now I simply must loop through this list and grab the first two arguments of each row
# that ex. (2,1) will be my input to G.add_edge

for i in range(len(list(conn_list))):
    # print(conn_list[i, :])
    row_i = conn_list[i, :]
    G.add_edge(row_i[0], row_i[1])

# Visualize output, specify node positions
plt.figure(1)
nx.draw(G, pos=pos_dict, with_labels=True)
plt.show()

```