June 3, 2022

Noah Collin

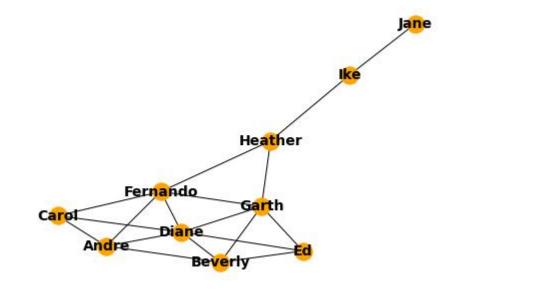
Summer 2022 CUNY SPS

NOAH.COLLIN35@spsmail.cuny.edu (mailto:NOAH.COLLIN35@spsmail.cuny.edu)

```
import pandas as pd
In [1]:
         import nltk
         import networkx as nx
         import matplotlib.pyplot as plt
         print("Pandas version: \t\t {}". format(pd. __version__))
In [2]:
         print("nltk version: \t\t {}". format(nltk. __version__))
         print("networkx version: \t {}". format(nx. __version__))
         #print("matplotlib.pyplot version: {}".format(plt.__version__))
         Pandas version:
                                     1.3.5
         nltk version:
                                     3.7
                                     2.6.3
         networkx version:
         numpy version:
                                     1.21.5
In [3]: fri ends = nx. Graph([("Di ane", "Carol"), ("Di ane", "Andre"), ("Di ane", "Fernando"),
                               ("Di ane", "Beverl y"), ("Di ane", "Garth"),
                                ("Di ane", "Ed"),
                                ("Ed", "Beverly"), ("Ed", "Garth"),
                                ("Andre", "Beverly"), ("Andre", "Fernando"), ("Garth", "Fernando"), ("Garth", "Beverly"),
                                ("Garth", "Heather"),
                                ("Fernando", "Heather"),
                                ("Carol", "Fernando"), ("Carol", "Andre"),
                                ("Heather", "Ike"),
                                ("Ike", "Jane")
```

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In [ ]:

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