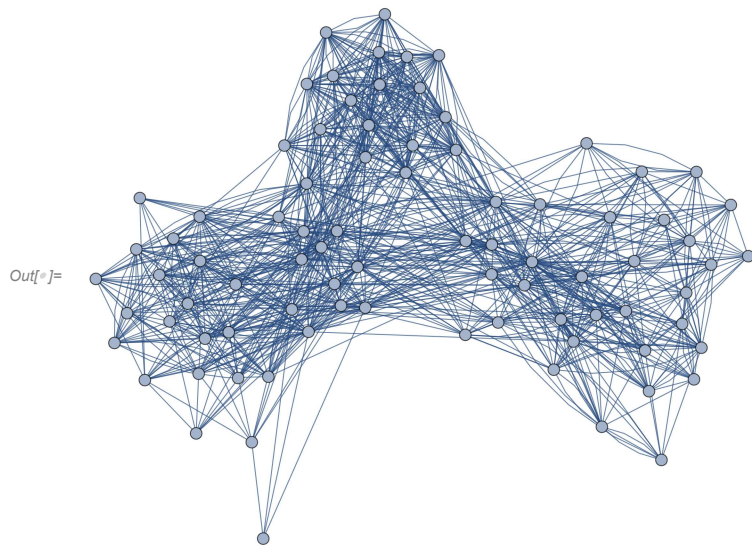
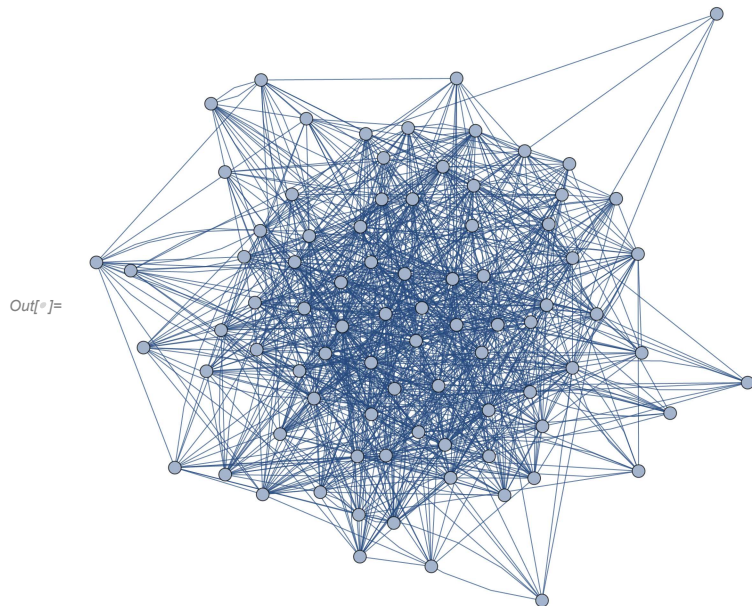




```

In[ ]:= randomizinggraphdegfxd[graphsandnodenumbers1[[4, 1]]]
randomizinggraphmod[graphsandnodenumbers1[[4, 1]]]
zscorefunctionfortwonullmodels[graphsandnodenumbers1[[4, 1]]]

```



Out[ ]:= {33.797, -3.01061}

```

In[ ]:= step1 = 1;
step2 = 1;
AbsoluteTiming[thicknessdataintimewindowsFixedstep1 =
  snetworkdatabinnedintimewindows[data1, 10, step1, win1];]

```

Out[ ]:= {21.8442, Null}

```

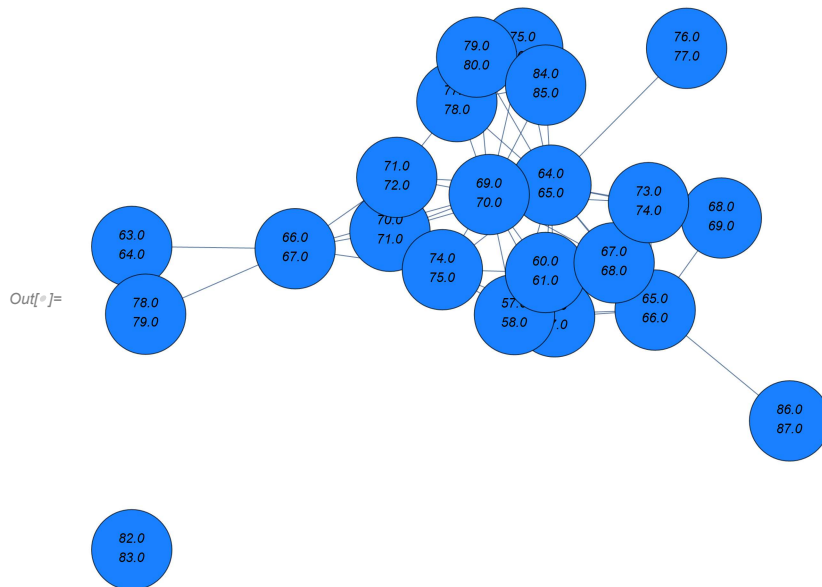
In[ ]:= graphsandnodenumbers2 =
  Table[snetworkgraph[thicknessdataintimewindowsFixedstep1[[1]][[i]],
    thicknessdataintimewindowsFixedstep1[[2]][[i]], 2,
    7, 400, RGBColor[0.1, 0.5, 1.]], {i, Range@win1}];

```

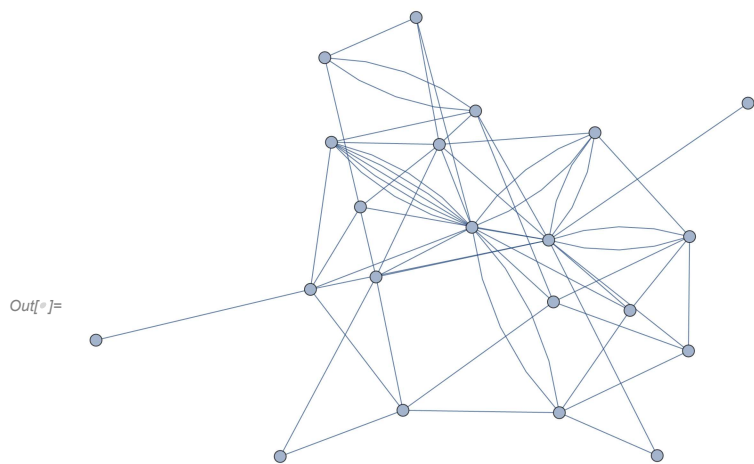
```

In[ ]:= graphsandnodenumbers2[[13, 1]]

```



```
In[ ]:= randomizinggraphdegfd[graphsandnodenumbers2[[13, 1]]]
randomizinggraphmod[graphsandnodenumbers2[[13, 1]]]
zscorefunctionfortwonullmodels[graphsandnodenumbers2[[13, 1]]]
```



Out[ ]:= {1.884, -0.439538}