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Data Analysis: Statistical Modeling and Computation in Applications

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- [Progress](#)
- [Dates](#)
- [Discussion](#)
- [Resources](#)

[🏠 Course](#) / [Module 3: Network Ana...](#) / [Networks: Written Analysis, Peer Review and Dis...](#)



< Previous	✓	✓	✓	✓	✓	✓	✓	Next >
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6. Sample Code

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Right-click to download Sample code for an analysis of the CAVIAR network.

- CAVIAR network Jupyter Notebook

Discussion

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[STAFF] - Difference in how you load data in the sample code vs how you told us to load data

question posted 2 months ago by FlorenGS

Dear Staff,

In page 3 you provide a script for us to use when loading the data (see screenshot below). However, in the code provided here you make a small modification that has HUGE effects on how the hub and authority scores are calculated.

You add this line to the code so that there is no edge weight in the directed graphs:

```
phases[i][phases[i] > 0] = 1
```

This is creating some problems with problem 2j). The description you put in the rubric follows, but the values are different depending on what approach you use. During grading this is causing trouble and it's not the students fault, as we loaded the data the way you told us to.

Best regards,

FlorenGS

You can also load this dataset directly from the internet (which is slightly more convenient when using Colab) using the following Python code:

```
import pandas as pd
import networkx as nx
phases = {}
G = {}
for i in range(1,12):
    var_name = "phase" + str(i)
    file_name = "https://raw.githubusercontent.com/ragini30/Networks-Homework/main/" + var_name + ".csv"
    phases[i] = pd.read_csv(file_name, index_col = ["players"])
    phases[i].columns = "n" + phases[i].columns
    phases[i].index = phases[i].columns
    G[i] = nx.from_pandas_adjacency(phases[i])
    G[i].name = var_name
```

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1 response

silunz (Staff)

about a month ago

I think if the reported answer matches the rubric, the question should receive a full point regardless of particular values.

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