CS-AARHUS MULTIPLEX NETWORK

Last update: 1 July 2014

Reference and Acknowledgments

This README file accompanies the dataset representing the multiplex social network of a research department at Aarhus. If you use this dataset in your work either for analysis or for visualization, you should acknowledge/cite the following paper:

```
"Combinatorial Analysis of Multiple Networks"
Matteo Magnani, Barbora Micenkova, and Luca Rossi
arXiv:1303.4986 (2013)
```

that can be found at the following URL:

http://arxiv.org/abs/1303.4986

See the official webpage of this dataset

http://larica.uniurb.it/sigsna/data/

for further details.

Description of the dataset

The multiplex social network consists of five kinds of online and offline relationships (Facebook, Leisure, Work, Co-authorship, Lunch) between the employees of Computer Science department at Aarhus.

There are 61 nodes in total, labelled with integer ID between 1 and 61, with 620 connections. The multiplex is undirected (with only one direction specified) and unweighted, stored as edges list in the file

```
CS-Aarhus_multiplex.edges
```

with format

```
layerID nodeID nodeID weight
```

(Note: all weights are set to 1)

The IDs of all layers are stored in

```
CS-Aarhus_layers.txt
```

The IDs of nodes can be found in the file

```
CS-Aarhus_nodes.txt
```

License

The CS-AARHUS MULTIPLEX DATASET is provided "as is" and without warranties as to performance or quality or any other warranties whether expressed or implied.

For further information see http://larica.uniurb.it/sigsna/data/

Contacts

http://larica.uniurb.it/sigsna/data/