Networks in R

info

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IMFM Ljubljana and IAM UP Koper

Master's programme
Applied Statistics with Social Network Analysis
International Laboratory for Applied Network Research
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Current version of slides (November 18, 2017 at 23 : 38): slides PDF

Teachers

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Rnet on wiki:
`http://vladowiki.fmf.uni-lj.si/doku.php?id=ru:hse:rnet`

Master's programme: `https://www.hse.ru/en/ma/sna/`

Program

Rnet, info

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Teachers

Program

Requirements

Time-table

Sources

19. Network Analysis: Application in R

a. Prerequisites: none

The focus of the course will be how to develop questions about social networks and appropriately test them using the R statistical programming language. Because it is critically important for researchers to be able to analyze the data, and standardized packages hardly ever offer the required set of analytic methods, we are faced with having to write our own code for analysis of specific datasets. Minimal programming skills are desirable, though not required.

Home project:

1. for a network given in a picture make its description on a file and make a visualization an basic analyses.

2. transform given data into network and analyze it

3. analysis of a large network

Time-table

On November 17th, we move to the training center in Voronovo.
Saturday 18th: 10 am - 1 pm, 5:30 pm - 7 pm, 8 pm - 9:30 pm
Sunday 19th: 10 am - 1 pm, 2 pm - 5 pm
November 20 - off
November 21, 22, 23, 24: 3 hours each day 18h - 21h

Resources

- Pajek: http://mrvar.fdv.uni-lj.si/pajek/
- igraph R package: http://igraph.org/r/
- Inkscape: https://inkscape.org/en/