

ESS418 Research Methods in Social Science
Assignment 1: Social Network Analysis
Submit due to: 18. 10. 2015

Name:

1) Formulate a brief research proposal (app. two paragraphs) that uses SNA including research objective, research question, population, network border delineation, sampling method (if needed) and data collection technique. (5 points)

Please, answer the question here below:

2) Create an R script that runs following operations.

- Create a new script.
- Create a matrix that corresponds with displayed network. (1 point)
- Save the matrix as *.csv and *.txt files. (2 points)
- Convert the matrix to a network.
- Calculate the network density. (1 point)
- Visualize the network (node labels do not have to be displayed). (1 point)
- Save the script and upload it to the "Assignment 1" folder in Homework Vaults.

Hint: use packages network and sna.

