ESS418 Research Methods in Social Science

Assignment 1: Social Network Analysis

**Submit due to: 18. 10. 2015**

**Name:**

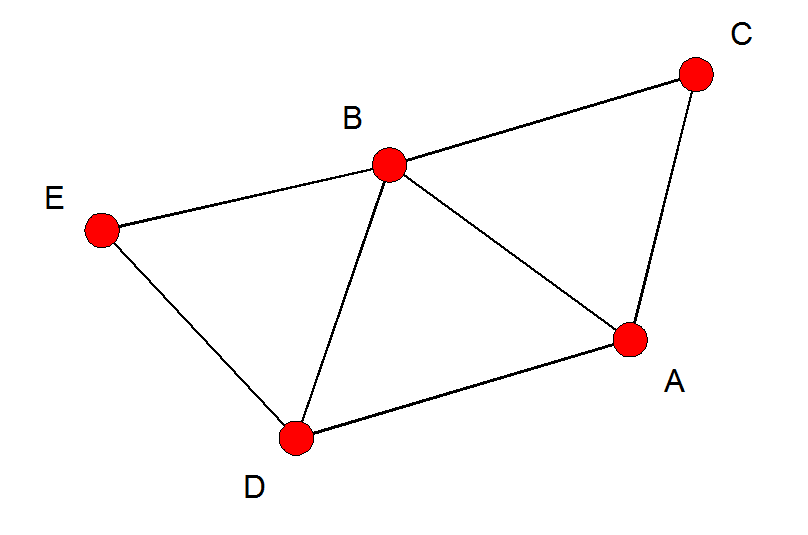
**1)** Formulate a brief research proposal (app. two paragraphs} that uses SNA including research objective, research question, population, network border delineation, sampling method (if needed) and data collection technique. (5 points)

*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.

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