

Economics of Information Networks

Homework 2

Due November 15, 2018 at 11:00am

Requirements

Submit your homework *by email to*

"Economics of Information Networks" <turnbull@sk.tsukuba.ac.jp>

The **Subject:** should be 01CN901 Homework #2 (in hankaku romaji). Use this class number, even if you are registered according to a different code. Your email must contain your *name* and *student ID number*.

Problems

1. Give two examples of networks you participate in or use. For each example, describe the network as a graph:
 - (a) What are the objects?
 - (b) What are the links?
 - (c) Is the graph directed? Explain why or why not.
 - (d) Is it colored? What do the "colors" represent.
 - (e) Is it a multigraph? Explain why or why not.
 - (f) Do the objects have important attributes (other than their links)? What are they?

For full credit, use one example nobody else in the class uses. For each additional person who uses your less unique example, the point score will be multiplied by 0.9.