

## Mutual Friendships Exercise

37458

# Advanced Bayesian Methods

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### Members of Our Class (Including Lecturer)

Aishwarya	Charlie
Christian	Jose
Jason	Matt
Niklas	Siyi
Tom	Tony

Not counting:

people that you met for the first time  
in this class when it started last week

Who in this class do you know by name,  
and they know you by name?

### ALTERNATIVE Exercise: Mutual Home Country Visitations

We will say that two class members are

linked

if and only if they have

both visited each other's home country.

Word of the Day:

# CLIQUE

Special Type of Clique:

# MAXIMAL Clique

## Major Goal for this Subject

By Week 6, tool you up to be able to do

**ANY\***

data analysis, no matter how complex,

– and understand the underlying maths.

\* To be qualified later.

## Web Exercices

Definition of clique

Maximal cliques

Acyclic vs cyclic

Moralisation

## Path to Achieving Goal

- Draft book chapters of GRAPH THEORY AND STATISTICS by M.P. Wand.
- The R computing environment.
- The BUGS inference engine and its interface with R, known as BRugs.
- **IMPORTANT:** no assumed knowledge of any of the above!

## Lab Schedule

Fridays 12:05-1:00 corresponding to

Class 3

Class 6

Class 9

Class 12

There is no need to carry laptop to other classes.

### Getting Ready for Laboratory 1 (Next Friday)

- See subject web-site with instructions about this.
- Ideally achieved before Class 3 of Friday 27th March.