

## Mutual Friendships Exercise

37457

# Advanced Bayesian Methods

Professor Matt Wand

University of Technology Sydney

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?

## Members of Our Class (Including Lecturer)

Edwin	Joschua
Mark	Matt B.
Matt W.	Rita
Varsha	Virginia
Tong	Greg

Word of the Day:

# CLIQUE

Special Type of Clique:

# MAXIMAL Clique

## Web Exercises

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 JAGS and Stan inference engines and their interfaces with R, known as rjags and rstan.
- **IMPORTANT: no assumed knowledge of any of the above!**

## 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.

## Lab Schedule

Fridays 4:05-5:00 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 19th August.