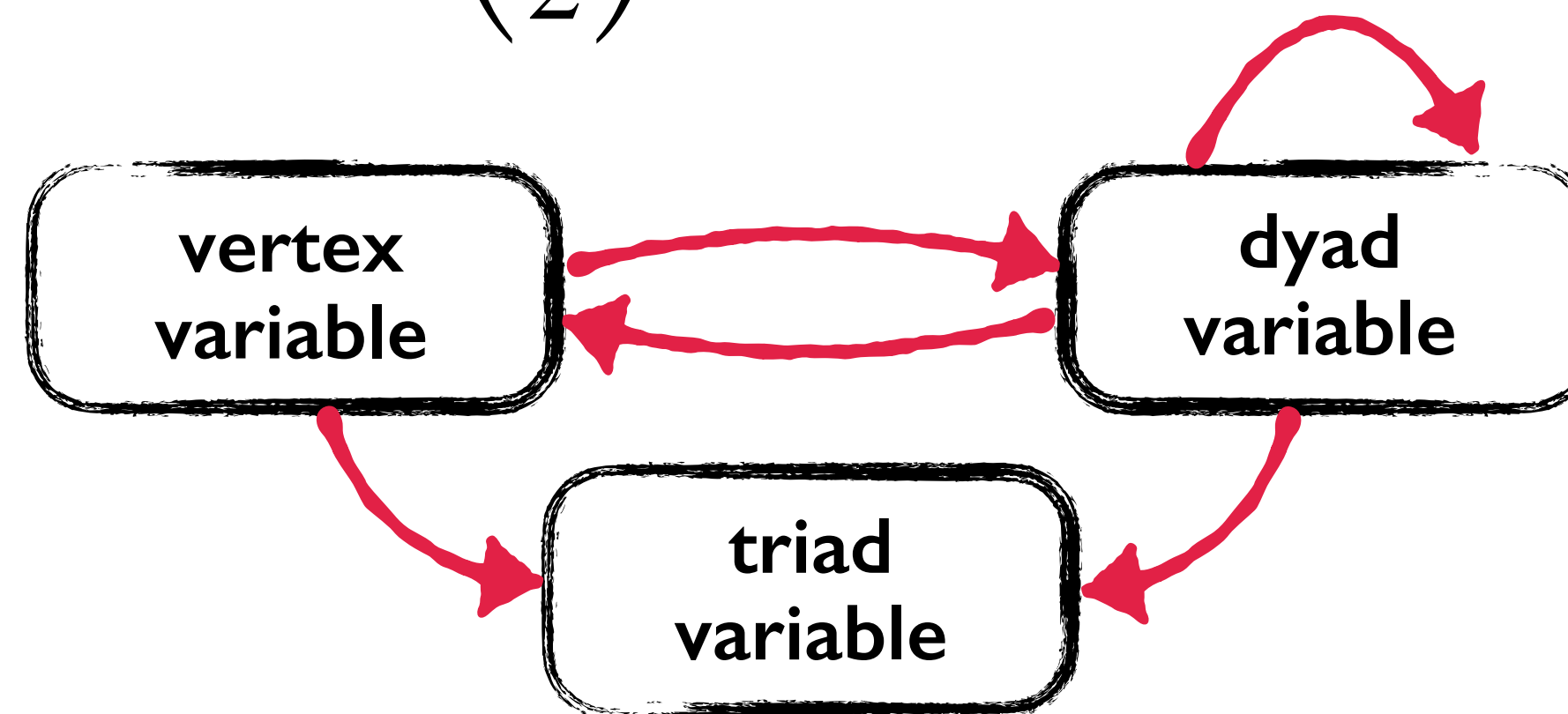# example: network study of corporate law firm

number of observations:

vertices: $n = 71$ # dyads: $\binom{n}{2} = 2485$ # triads: $\binom{n}{3} = 57155$

dataframe of transformed triad variables:

```
##    status gender office years age practice lawschool cowork advice friend
## 1       7      7      9    17  26        5         0      0     35      1
## 2       7      7      0    26  26        1        18      0     43     37
## 3       7      7      9    26  26        5         9      0     11      1
## 4       7      7      9    26  26        5         0      0     19      1
## 5       7      7      9    26  26        1        18      4     35      1
```

```
# transformed dyad variables
get_dyad_var(var, type = "att")

# transformed triad variables
get_triad_var(var, type = "att")
```

what is entropy?

ENTROPY

"YOU SHOULD CALL IT 'ENTROPY'...
NO ONE KNOWS WHAT ENTROPY
REALLY IS, SO IN A DEBATE YOU
WILL ALWAYS HAVE THE ADVANTAGE."

– JOHN VON NEUMANN, TO
CLAUDE SHANNON, ON WHY HE
SHOULD BORROW THE PHYSICS
TERM IN INFORMATION THEORY
(AS TOLD TO MYRON TRIBUS)