

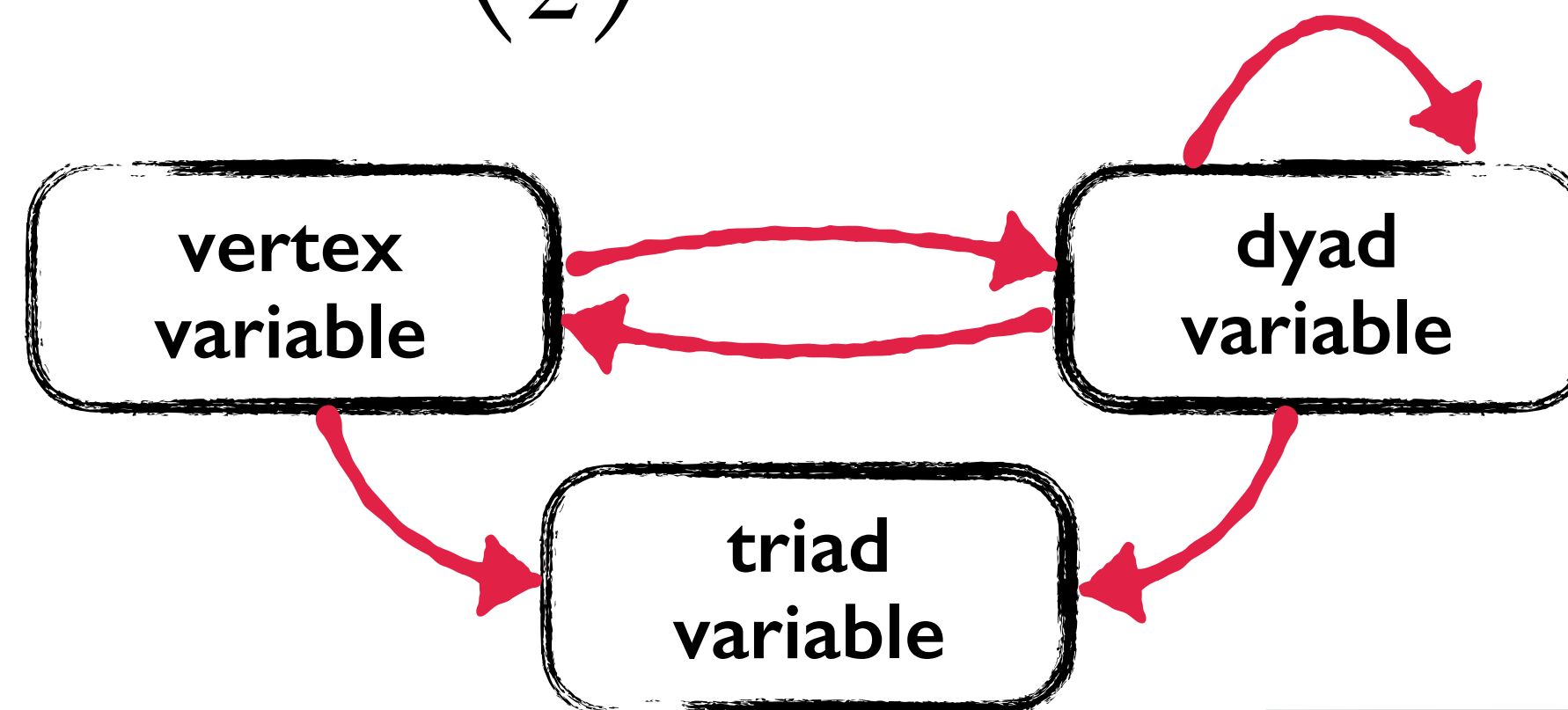
# example: network study of corporate law firm

number of observations:

# vertices:  $n = 71$

# dyads:  $\binom{n}{2} = 2485$

# triads:  $\binom{n}{3} = 57155$



dataframe of observed and categorized vertex variables:

##	senior	status	gender	office	years	age	practice	lawschool
## 1	1	1	1	0	2	2	1	0
## 2	2	1	1	0	2	2	0	0
## 3	3	1	1	1	1	2	1	0
## 4	4	1	1	0	2	2	0	2
## 5	5	1	1	1	2	2	1	1

```
df.att.var <- data.frame(  
  senior = df.att$senior,  
  status = df.att$status,  
  gender = df.att$gender,  
  office = df.att$office-1,  
  years = ifelse(df.att$years<=3,0,  
                 ifelse(df.att$years<=13,1,2)),  
  age = ifelse(df.att$age<=35,0,  
               ifelse(df.att$age<=45,1,2)),  
  practice = df.att$practice,  
  lawschool= df.att$lawschool-1)
```

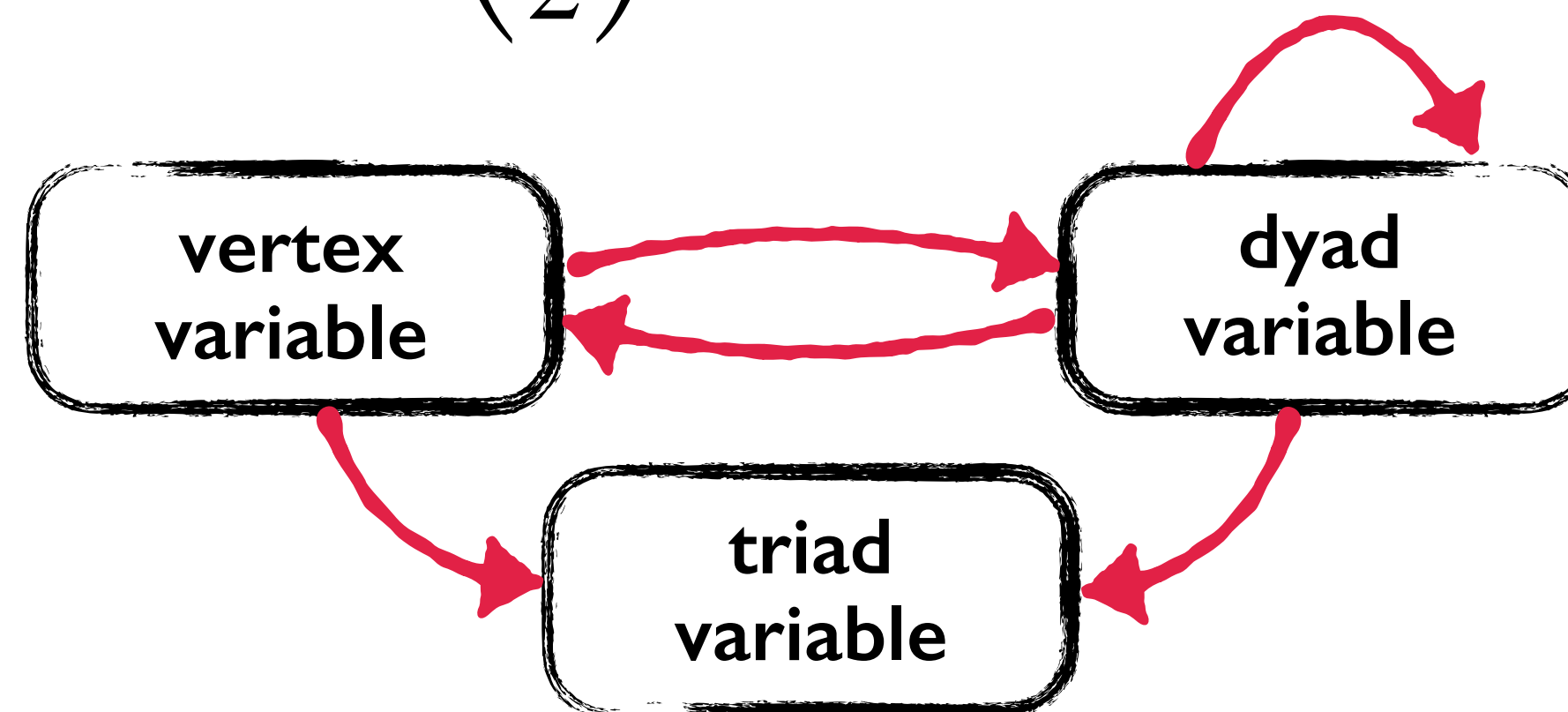
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number of observations:

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dataframe of transformed dyad variables:

##	status	gender	office	years	age	practice	lawschool	cowork	advice	friend
## 1	3	3	0	8	8	1	0	0	3	2
## 2	3	3	3	5	8	3	0	0	0	0
## 3	3	3	3	5	8	2	0	0	1	0
## 4	3	3	0	8	8	1	6	0	1	2
## 5	3	3	0	8	8	0	6	0	1	1

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