

HW-1.R

gcm2

2019-08-23

```
library(readxl)
```

```
## Warning: package 'readxl' was built under R version 3.5.3
```

```
Yougov_Dyads <- read_excel("D:/Graduate Studies/Research/Poster Project/Data/Iyengar et al. 2018/Yougov  
View(Yougov_Dyads)
```

```
is.numeric(Yougov_Dyads$pid7_p1)
```

```
## [1] TRUE
```

```
is.numeric(Yougov_Dyads$pid7_p2)
```

```
## [1] FALSE
```

```
Yougov_Dyads$pid7_p2 <- as.numeric(as.character(Yougov_Dyads$pid7_p2)) #converting ideology for partner
```

```
## Warning: NAs introduced by coercion
```

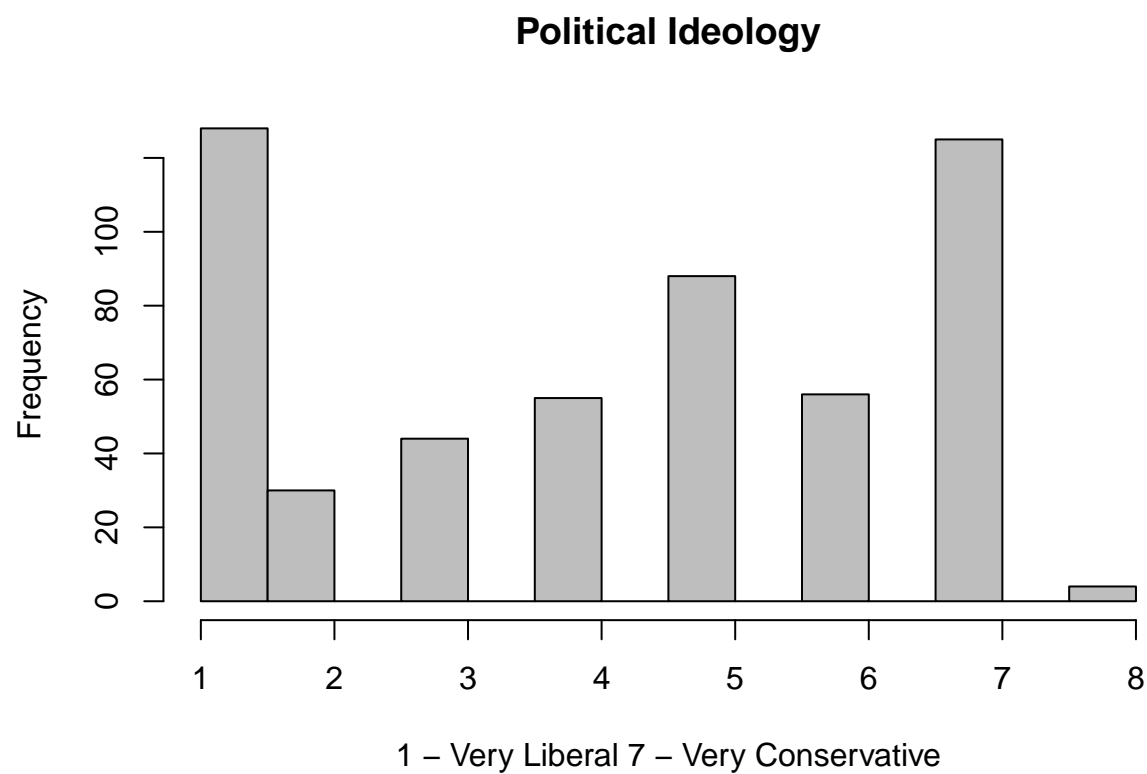
```
Yougov_Dyads$stan019_p1 <- as.numeric(as.character(Yougov_Dyads$stan019_p1))
```

```
## Warning: NAs introduced by coercion
```

```
Yougov_Dyads <- Yougov_Dyads[Yougov_Dyads$stan019_p1 <= 7,] #dropping "don't know" values  
Yougov_Dyads <- Yougov_Dyads[Yougov_Dyads$stan019_p2 <= 7,]
```

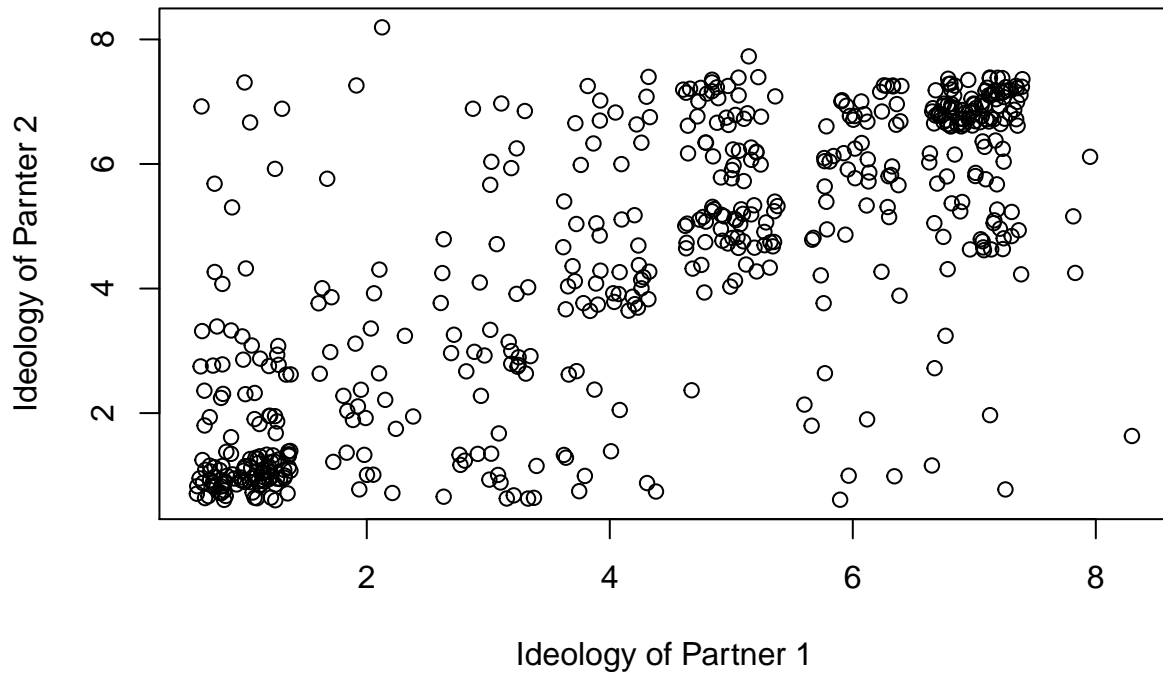
```
copartisan <- vector("list", 578)
```

```
hist(Yougov_Dyads$pid7_p1,  
     main="Political Ideology",  
     xlab="1 - Very Liberal 7 - Very Conservative",  
     col="gray")
```



```
plot(jitter(Yougov_Dyads$pid7_p2,2)~jitter(Yougov_Dyads$pid7_p1,2),  
     main="Political Ideology of Couples",  
     xlab="Ideology of Partner 1",  
     ylab="Ideology of Parnter 2")
```

Political Ideology of Couples



```
is.numeric(copartisan) #checking whether copartisan is a number value
```

```
## [1] FALSE
```

```
copartisan <- as.numeric(as.character(copartisan)) # making copartisan a numeric value
```

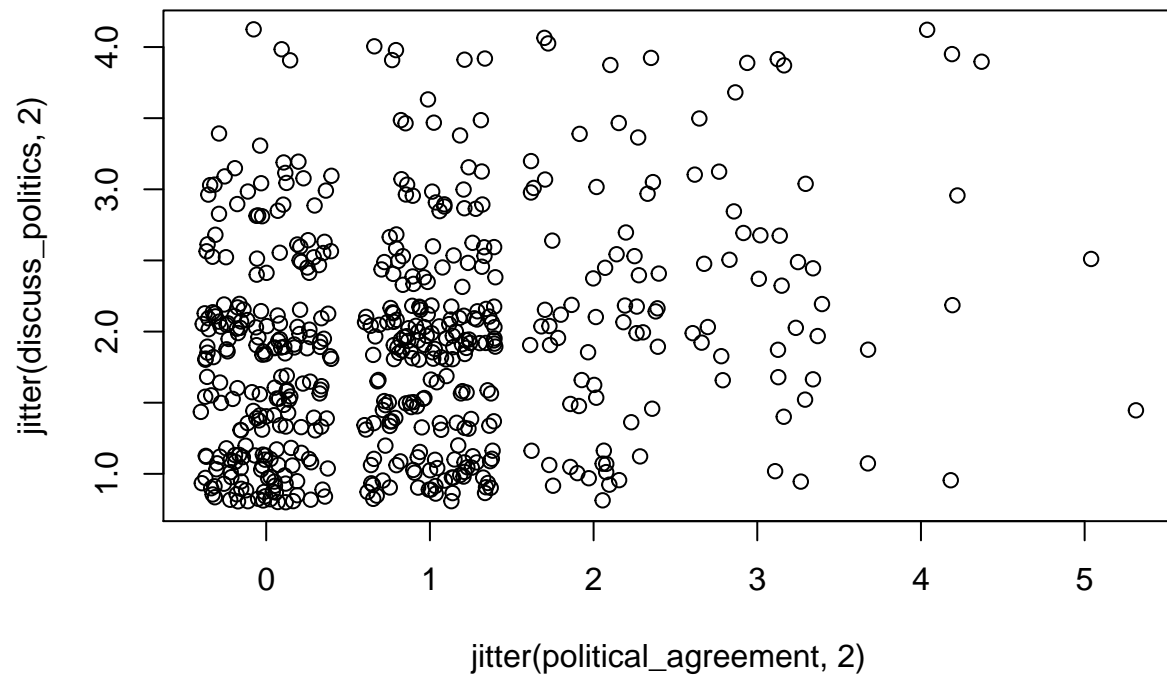
```
## Warning: NAs introduced by coercion
```

```
mean(copartisan)
```

```
## [1] NA
```

```
political_agreement <- abs(Yougov_Dyads$stan019_p1 - Yougov_Dyads$stan019_p2) #Creating variable for measure of political agreement  
discuss_politics <- (Yougov_Dyads$stan101_p1 + Yougov_Dyads$stan101_p2)/2 #Creating variable for how much the couple discusses politics
```

```
plot(jitter(political_agreement,2), jitter(discuss_politics,2)) #Plotting the relationship between political agreement and how much the couple discusses politics
```



```
cor(political_agreement, discuss_politics)
```

```
## [1] NA
```

```
#####  
#####  
#####
```