

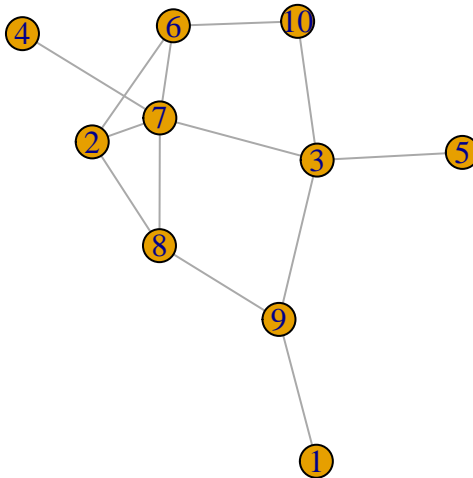
# hw8\_network

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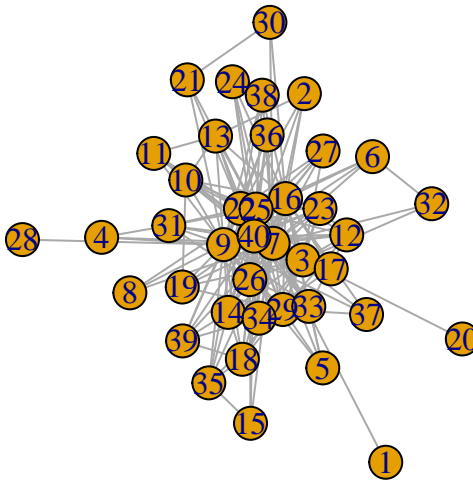
```
library(igraph)

##
## Attaching package: 'igraph'
##
## The following objects are masked from 'package:stats':
##
##     decompose, spectrum
##
## The following object is masked from 'package:base':
##
##     union
library(networkD3)
#random
g <- erdos.renyi.game(10, 3/10)
plot(g)
```



```
## Scale Free
N <- 40
g <- sample_fitness(5*N, sample((1:40)^-2, N, replace=TRUE))
```

```
plot(g)
```



```
#network data  
karate <- make_graph("Zachary")  
plot(karate)
```

