

YT: Working with data

Introduction to Social Network Analysis in R

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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(Matrix)
```

Load the karate Network from the csv file.

```
# read in the raw edgelist  
karate.data <- read.table("../data/karate.txt", sep = " ", header = TRUE, stringsAsFactors = FALSE)  
#convert data to matrix  
karate.edgelist <- matrix(unlist(karate.data), ncol = 2) + 1
```

Convert Network Edge Data to ‘igraph’ Object and as an adjacency matrix

Visualize the Adjacency Matrix.

What do you observe?

Save the igraph object as a .RDS file and load it again