

How to get and use tnet

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How to get tnet

First, you need to open R. If you do not have R, or you have a version older than 2.7.0, on your computer:

- Go to <http://cran.r-project.org/>
- Select your operating system
- Select base
- Select the installation file (for Windows users, this is the file ending with .exe)
- Click Run
- Follow the instructions on the screen when the programme has been downloaded.

Then, you need to download and install the package from CRAN:

Type the following in R: `install.packages("tnet")`

Select a server near you

How to use tnet

To activate the package, you need to type the following in R everytime you start R:

```
library(tnet)
```

Then, you should be able to use the functions available within tnet.

To calculate the degree of an edgelist, you use the function called `degree_w`, e.g. `## Define edgelist`

```
sample <- rbind(
c(1,2,4),
c(1,3,2),
c(2,1,4),
c(2,3,4),
c(2,4,1),
c(2,5,2),
c(3,1,2),
c(3,2,4),
c(4,2,1),
c(5,2,2),
c(5,6,1),
c(6,5,1))## To calculate degree
degree_w(sample)  vertex degree output
[1,]  1  2  6
[2,]  2  4 11
[3,]  3  2  6
[4,]  4  1  1
[5,]  5  2  3
[6,]  6  1  1
```