

Installation Instructions for ThreadNet3

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1. Install R and RStudio (if you do not already have them installed)

- a. Download and Install R (<https://cran.r-project.org/mirrors.html>)
- b. Download and Install RStudio (<https://www.rstudio.com/products/rstudio/download>)
- c. Installation details will vary. Use your Jedi skills. May the force be with you.

2. Load the ThreadNet package from GitHub

- a. Start RStudio
- b. Enter the following instructions into the R Console window (the lower left panel of the RStudio screen). You can cut/paste from here or type them in. R is case sensitive. Be careful to avoid smart quotes.

```
install.packages('devtools')  
library(devtools)  
install_github('ThreadNet/ThreadNet')  
library(ThreadNet)
```

This will download and install the current version of ThreadNet from the GitHub repository. ThreadNet automatically loads several R packages that it uses for graphics and data manipulation, which may take a few minutes. At this point, you are done installing. ThreadNet will be available anytime you run RStudio. You can repeat this step to get updated versions.

3. Run the ThreadNet app

- a. To run ThreadNet, enter the following case-sensitive command in the R Console window. This will launch the Shiny R app in your web browser.

```
ThreadNet()
```

4. Getting started

- a. Look at the Getting Started PPT and the example data available on <http://routines.broad.msu.edu/ThreadNet/>
- b. Try your own data. The ThreadNet3 documentation describes the required format.