

# Software Downloads for Pathways and Network Analysis for Omics Data

## Installing GSEA desktop GUI

Go to the link below and pick the download that matches your operating system.

<http://www.gsea-msigdb.org/gsea/downloads.jsp>

Once it is downloaded open the GSEA app and it should load into the main page.

Download the two example datasets from the course webpage

## Installing XGR R Package

This takes some time but you only have to do it once!

```
if(!("BiocManager" %in% rownames(installed.packages()))) install.packages("BiocManager")

BiocManager::install("remotes", dependencies=T)
BiocManager::install("hfang-bristol/XGR", dependencies=T)

library(XGR)

#Other Packages needed to run tutorial
install.packages("tidyverse")
install.packages("kableExtra")
install.packages("RColorBrewer")
```

## Installing WGCNA R Package

```
install.packages("BiocManager")
BiocManager::install("WGCNA")
library(WGCNA)
```

## Installing netgsa R Package

```
install.packages("netgsa")
library(netgsa)
```