title: "hello-ta Activity 0" output: pdf_document date: "2024-01-05" —

Hello, network!

```r
options(repos = c(CRAN = "https://cloud.r-project.org"))
install.packages("tidyverse")
```

```
## Installing package into 'C:/Users/Admin/AppData/Local/R/win-library/4.3'
## (as 'lib' is unspecified)
```

```
## package 'tidyverse' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##   C:\Users\Admin\AppData\Local\Temp\Rtmpe0N766\downloaded_packages
```

```r
library(tidyverse)
```

```
## Warning: package 'tidyverse' was built under R version 4.3.2
```

```
## Warning: package 'readr' was built under R version 4.3.2
```

```
## Warning: package 'forcats' was built under R version 4.3.2
```

```
## -- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
## v dplyr     1.1.3     v readr     2.1.4
## v forcats   1.0.0     v stringr   1.5.0
## v ggplot2   3.4.4     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.0
## v purrr     1.0.2
```

```
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```r
install.packages("igraph")
```

```
## Installing package into 'C:/Users/Admin/AppData/Local/R/win-library/4.3'
## (as 'lib' is unspecified)
```

```
## package 'igraph' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##   C:\Users\Admin\AppData\Local\Temp\Rtmpe0N766\downloaded_packages
```

```r
library(igraph)
```

```
## Warning: package 'igraph' was built under R version 4.3.2
```

```
##
## Attaching package: 'igraph'
##
## The following objects are masked from 'package:lubridate':
##
##     %--%, union
##
## The following objects are masked from 'package:dplyr':
##
##     as_data_frame, groups, union
##
## The following objects are masked from 'package:purrr':
##
##     compose, simplify
##
## The following object is masked from 'package:tidyr':
##
##     crossing
##
## The following object is masked from 'package:tibble':
##
##     as_data_frame
##
## The following objects are masked from 'package:stats':
##
##     decompose, spectrum
##
## The following object is masked from 'package:base':
##
##     union
```

```r
install.packages("tinytex")
```

```
## Installing package into 'C:/Users/Admin/AppData/Local/R/win-library/4.3'
## (as 'lib' is unspecified)
```

```
## package 'tinytex' successfully unpacked and MD5 sums checked
##
## The downloaded binary packages are in
##   C:\Users\Admin\AppData\Local\Temp\Rtmpe0N766\downloaded_packages
```

```r
tinytex::install_tinytex(force=TRUE)
```